

C
C 16H
1914/15

CANISIUS COLLEGE

BUFFALO, N. Y.



ANNUAL CATALOGUE
FORTY-FIFTH YEAR
1914-1915

A. M. D. G.

Forty-fifth Annual Catalogue

OF

CANISIUS COLLEGE

BUFFALO, N. Y.

1914-1915

1915

1916

JANUARY.							MAY.							SEPTEMBER.						
S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
2	3	4	5	6	7	8	5	6	7	8	9	10	11	7	8	9	10	11	12	13
3	4	5	6	7	8	9	9	10	11	12	13	14	15	14	15	16	17	18	19	20
4	5	6	7	8	9	10	9	10	11	12	13	14	15	15	16	17	18	19	20	21
5	6	7	8	9	10	11	11	12	13	14	15	16	17	18	19	20	21	22	23	24
6	7	8	9	10	11	12	12	13	14	15	16	17	18	19	20	21	22	23	24	25
7	8	9	10	11	12	13	6	7	8	9	10	11	12	13	14	15	16	17	18	19
8	9	10	11	12	13	14	13	14	15	16	17	18	19	10	11	12	13	14	15	16
9	10	11	12	13	14	15	15	16	17	18	19	20	21	12	13	14	15	16	17	18
10	11	12	13	14	15	16	16	17	18	19	20	21	22	13	14	15	16	17	18	19
11	12	13	14	15	16	17	17	18	19	20	21	22	23	14	15	16	17	18	19	20
12	13	14	15	16	17	18	18	19	20	21	22	23	24	15	16	17	18	19	20	21
13	14	15	16	17	18	19	19	20	21	22	23	24	25	16	17	18	19	20	21	22
14	15	16	17	18	19	20	20	21	22	23	24	25	26	17	18	19	20	21	22	23
15	16	17	18	19	20	21	21	22	23	24	25	26	27	18	19	20	21	22	23	24
16	17	18	19	20	21	22	22	23	24	25	26	27	28	19	20	21	22	23	24	25
17	18	19	20	21	22	23	23	24	25	26	27	28	29	20	21	22	23	24	25	26
18	19	20	21	22	23	24	24	25	26	27	28	29	30	21	22	23	24	25	26	27
19	20	21	22	23	24	25	25	26	27	28	29	30	31	22	23	24	25	26	27	28
20	21	22	23	24	25	26	26	27	28	29	30	31		23	24	25	26	27	28	29
21	22	23	24	25	26	27								24	25	26	27	28	29	30
22	23	24	25	26	27									25	26	27	28	29	30	31
23	24	25	26	27	28									26	27	28	29	30	31	
24	25	26	27	28	29									27	28	29	30	31		
25	26	27	28	29	30									28	29	30	31			
26	27	28	29	30	31									29	30	31				
27	28	29	30	31										30	31					
28	29	30	31																	
29	30	31																		
30	31																			

JANUARY.							MAY.							SEPTEMBER.						
S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
2	3	4	5	6	7	8	5	6	7	8	9	10	11	2	3	4	5	6	7	8
3	4	5	6	7	8	9	6	7	8	9	10	11	12	3	4	5	6	7	8	9
4	5	6	7	8	9	10	7	8	9	10	11	12	13	4	5	6	7	8	9	10
5	6	7	8	9	10	11	8	9	10	11	12	13	14	5	6	7	8	9	10	11
6	7	8	9	10	11	12	9	10	11	12	13	14	15	6	7	8	9	10	11	12
7	8	9	10	11	12	13	10	11	12	13	14	15	16	7	8	9	10	11	12	13
8	9	10	11	12	13	14	11	12	13	14	15	16	17	8	9	10	11	12	13	14
9	10	11	12	13	14	15	12	13	14	15	16	17	18	9	10	11	12	13	14	15
10	11	12	13	14	15	16	13	14	15	16	17	18	19	10	11	12	13	14	15	16
11	12	13	14	15	16	17	14	15	16	17	18	19	20	11	12	13	14	15	16	17
12	13	14	15	16	17	18	15	16	17	18	19	20	21	12	13	14	15	16	17	18
13	14	15	16	17	18	19	16	17	18	19	20	21	22	13	14	15	16	17	18	19
14	15	16	17	18	19	20	17	18	19	20	21	22	23	14	15	16	17	18	19	20
15	16	17	18	19	20	21	18	19	20	21	22	23	24	15	16	17	18	19	20	21
16	17	18	19	20	21	22	19	20	21	22	23	24	25	16	17	18	19	20	21	22
17	18	19	20	21	22	23	20	21	22	23	24	25	26	17	18	19	20	21	22	23
18	19	20	21	22	23	24	21	22	23	24	25	26	27	18	19	20	21	22	23	24
19	20	21	22	23	24	25	22	23	24	25	26	27	28	19	20	21	22	23	24	25
20	21	22	23	24	25	26	23	24	25	26	27	28	29	20	21	22	23	24	25	26
21	22	23	24	25	26	27	24	25	26	27	28	29	30	21	22	23	24	25	26	27
22	23	24	25	26	27	28	25	26	27	28	29	30	31	22	23	24	25	26	27	28
23	24	25	26	27	28	29	26	27	28	29	30	31		23	24	25	26	27	28	
24	25	26	27	28	29	30	27	28	29	30	31			24	25	26	27	28	29	
25	26	27	28	29	30	31	28	29	30	31				25	26	27	28	29	30	
26	27	28	29	30	31		29	30	31					26	27	28	29	30	31	
27	28	29	30	31			30	31						27	28	29	30	31		
28	29	30	31				31							28	29	30	31			
29	30	31												29	30	31				
30	31													30	31					

JANUARY.							MAY.							SEPTEMBER.						
S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
2	3	4	5	6	7	8	5	6	7	8	9	10	11	2	3	4	5	6	7	8
3	4	5	6	7	8	9	6	7	8	9	10	11	12	3	4	5	6	7	8	9
4	5	6	7	8	9	10	8	9	10	11	12	13	14	4	5	6	7	8	9	10
5	6	7	8	9	10	11	9	10	11	12	13	14	15	5	6	7	8	9	10	11
6	7	8	9	10	11	12	10	11	12	13	14	15	16	6	7	8	9	10	11	12
7	8	9	10	11	12	13	11	12	13	14	15	16	17	7	8	9	10	11	12	13
8	9	10	11	12	13	14	12	13	14	15	16	17	18	8	9	10	11	12	13	14
9	10	11	12	13	14	15	13	14	15	16	17	18	19	9	10	11	12	13	14	15
10	11	12	13	14	15	16	14	15	16	17	18	19	20	10	11	12	13	14	15	16
11	12	13	14	15	16	17	15	16	17	18	19	20	21	11	12	13	14	15	16	17
12	13	14	15	16	17	18	16	17	18	19	20	21	22	12	13	14	15	16	17	18
13	14	15	16	17	18	19	17	18	19	20	21	22	23	13	14	15	16	17	18	19
14	15	16	17	18	19	20</td														

CALENDAR

1915

September	2—Thursday.	} Entrance Examinations. Examinations of Conditioned Students. Registration.
	3—Friday.	
	4—Saturday.	
	6—Monday. Labor Day.	
	7—Tuesday. Opening of Classes. Mass of the Holy Ghost at 9 A. M. Reading of Class Lists in Assembly Hall. <i>Schola Brevis</i> .	
October	6—Wednesday.	} Annual Retreat.
	7—Thursday.	
	8—Friday.	
	9—Saturday. Weekly holiday.	
	26—Tuesday. Marks for September and October close.	
November	1—Monday. All Saints. Holy Day.	
	16—Tuesday. Preliminary Contest in Oratory.	
	23—Tuesday. Marks for November close.	
	25—Thursday. Thanksgiving Day.	
December	2—Thursday. Announcement of Subjects for Prize Essays.	
	3—Friday. Sodality Reception.	
	7—Tuesday. Public Specimen in Natural Science.	
	8—Wednesday. Feast of the Immaculate Conception. Holy Day.	
	23—Thursday. Marks for December close. Christmas recess begins at 2:50 P. M.	

1916

January	3—Monday. Classes resumed. Examination in English Composition. Repetitions begin.
	24—Monday. Mid-year Examinations begin.

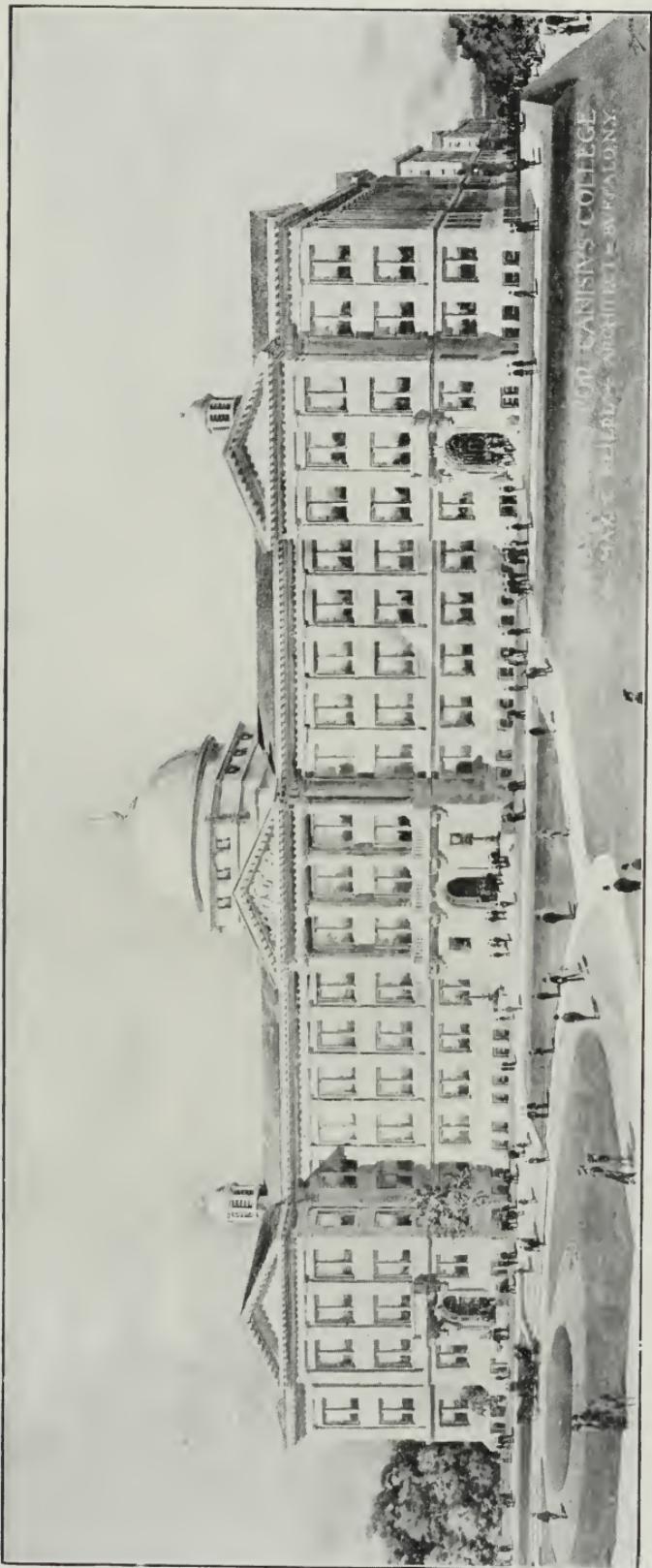
February 1—Tuesday. Mid-year Holiday.
3—Thursday. Second Term begins.
12—Saturday. Lincoln Day.
15—Tuesday. Public Oratorical Contest.
22—Tuesday. Washington's Birthday.

March 4—Saturday. Marks for February close.
28—Tuesday. Debate for Canisius Alumni Sodality Medal.

April 4—Tuesday. Marks for March close.
18—Tuesday. Easter Recess begins at 2:50 P. M.
23—Sunday. Easter Sunday. Rector's Day.
27—Thursday. Classes resumed.

May 9—Tuesday. Marks for April close. Last day for handing in prize essays.
11—Thursday. Examination in English Composition. Repetitions begin.
23—Tuesday. Public Disputation in Philosophy.
30—Tuesday. Memorial Day.

June 1—Thursday. Ascension. Holy Day.
2—Friday. Reception. League of the Sacred Heart.
8—Thursday. Examinations begin.
14—Wednesday.
15—Thursday. {
16—Friday. } Retreat to Seniors.
18—Sunday. Baccalaureate Sermon in St. Michael's Church.
21—Wednesday. Feast of St. Aloysius. General Communion. Annual Commencement.



CANISIUS COLLEGE

ON CANISIUS COLLEGE
AND ARCHITECTURE BY PALONY



Digitized by the Internet Archive
in 2012 with funding from
University of Illinois Urbana-Champaign

CANISIUS COLLEGE

This institution, conducted by the Fathers of the Society of Jesus, was opened in September, 1870, and incorporated on January 11th, 1883, by the Regents of the University of the State of New York, under the corporate title of

“The Canisius College of Buffalo, N. Y.”

and empowered to confer degrees and academic honors. On October 25th, 1906, the charter of the College was amended so as to include the High School or Academic department.

BOARD OF TRUSTEES

REV. GEORGE J. KRIM, S. J., *President.*

REV. J. HAVENS RICHARDS, S. J., *Vice-President.*

REV. HENRY WOLFF, S. J., *Treasurer.*

REV. JOHN J. GREENE, S. J., *Secretary.*

REV. PHILIP H. BURKETT, S. J., *Vice-President Canisius High School.*

REV. BERNARD C. COHAUSZ, S. J.

REV. HERMAN J. MAECKEL, S. J.

REV. FRANCIS X. SINDELE, S. J.

REV. CHARLES P. GISLER, S. J.

REV. FREDERIC J. BUNSE, S. J.

FACULTY

REV. GEORGE J. KRIM, S. J.
President.

REV. J. HAVENS RICHARDS, S. J.
Vice-President, Prefect of Studies,
Professor of Pedagogy.

REV. HERMAN J. MAECKEL, S. J.
Professor of Logic, Metaphysics, Psychology, Ethics and
Political Economy, Lecturer on Evidences of Religion.

REV. LUDWIG G. BONVIN, S. J.
Emeritus Professor of the Theory of Music.

REV. PAUL V. ROUKE, S. J.
Professor of Chemistry and Geology.

JUDGE GEORGE A. LEWIS.
Professor of Elementary Law.

REV. JAMES T. McCORMICK, S. J.
Professor of Mathematics and English.
Prefect of Discipline.

JOHN A. CURTIN, A. M.
Professor of Physics, Astronomy and Biology.
Director of the Meteorological and
Seismological Observatories.

REV. FRANCIS X. SINDELE, S. J.
Professor of Classics and English in the Sophomore Class.

REV. JOHN G. HACKER, S. J.
Professor of Classics and English in Freshman Class, Sec. A.

REV. HENRY A. McGARVEY, S. J.
Professor of Classics and English in Freshman Class, Sec. B.

MOORHOUSE I. MILLAR, S. J.
Professor of History and French.

RICHARD B. SCHMITT, S. J.
Professor of Mechanics, Assistant Professor of Chemistry.

ERNEST P. KIONKE, A. B.
Professor of German, Assistant Professor of Greek.

HISTORY

Canisius College was opened in September, 1870, by the Fathers of the German Province of the Society of Jesus. The Rev. William Becker, S. J., was the first president of the College. Its inception was the fulfillment of the earnest wish of the first Bishop of Buffalo, Rt. Rev. John Timon, for the establishment of an institution of higher education in his diocese. The first roll showed thirty-four students, about equally divided between the classical and the commercial courses. The former course required six years for its completion and the latter four.

On April 27, 1872, the feast of Bl. Peter Canisius, patron of the new institution, the cornerstone of a larger brick building on Washington Street was laid by the Rt. Rev. Bishop Stephen V. Ryan, D. D., and in November of the same year the central portion of it was completed; the north and south wings, with the Chapel and Hall and the Infirmary, were added in later years.

In December, 1872, the Rev. Henry Behrens was appointed President of the College. This eminent priest had been Superior of all the Jesuit Chaplains in the German forces during the Franco-German war, and for his services in that capacity had been decorated with the Iron Cross of Prussia. Under his energetic rule, which continued until 1877, the College made rapid and steady progress.

As early as 1875, a campus comprising about eleven acres, and situated at the corner of Main and Jefferson Streets, then on the outskirts of the city, was purchased to serve as a villa for the weekly holidays of the students and professors and to afford opportunity for sport and athletic games.

After September, 1894, students were no longer admitted for the commercial course. At the same time, the full classical course was lengthened to eight years, four years being given to studies of High School grade and the succeeding four to the College course. Both courses are fully recognized by the Regents of the University of the State of New York. At the completion of the High School, the Regents' examination may be taken by those who wish to do so; or the student may receive a "Qualifying Certificate for admission to professional or technical schools."

In the year 1907, the College was removed from the jurisdiction of the German Province of the Society of Jesus and

united to the Maryland-New York Province. About the same time, an important change occurred, in the discontinuance of the boarding department. This was due to the increase in the number of students and the lack of adequate accommodations for so large a body of resident pupils. From that period, day scholars only have been received; though a certain number of students coming from a distance find board and lodging with families in the neighborhood.

In 1911 began the erection of the present college building, on the former Villa grounds, at the corner of Main and Jefferson Streets. This structure was dedicated, with appropriate ceremonies, by the Rt. Rev. Charles H. Colton, Bishop of Buffalo, on December 30th, 1912. On January 6th, 1913, the four College classes were transferred to the new building, leaving the students of the four High School years at the former location on Washington Street. This local separation of the College from the High School has resulted in marked benefit to both.

As yet only the central portion of the building as planned has been erected. But its noble proportions and stately dome make it already one of the chief ornaments of the city. The remainder will be built as funds and the exigencies of attendance in the future may warrant. The structure is of re-enforced concrete, absolutely fireproof, and provided with exceptionally perfect scholastic and scientific equipment.

System of Education

The purpose of this institution is to provide the young men of Buffalo and its vicinity with facilities for a thorough liberal education, embracing all the secular branches taught in the best modern colleges, but based upon the unerring principles of religion and imbued with its spirit.

The educational system followed is substantially that of all the Colleges conducted by the Society of Jesus in every part of the world. Based on the famous *Ratio Studiorum Societatis Jesu*, a system outlined by the most prominent Jesuit educators in 1599, revised in 1832, and attended up to the present day with unfailing success, it secures on the one hand that stability so essential to educational thoroughness, while on the other it is elastic and makes liberal allowance for the varying circumstances of time and country.

While retaining, so far as possible, all that is valuable in the older learning, it adopts and incorporates the results of modern progress.

But its methods of teaching, being truly psychological, based upon the very nature of man's mental processes and perfected by centuries of experience, are applicable to all times and to every place. It is a noteworthy fact that many of the recently devised methods of teaching are in reality mere revivals of devices recommended long ago in the *Ratio Studiorum*.

Those who are desirous of making either a scientific or historical study of this system will find abundant sources of information in the following works: *Monumenta Germaniae Pedagogica*, Vols. II, V, IX, XVI; *Un Collège des Jésuites*, per C. De Rochemonteix, S. J. For a shorter, yet thorough commentary on the *Ratio Studiorum*, the reader is referred to *Jesuit Education*, by Rev. Robert Swickerath, S. J.

Education being the full and harmonious development of all the faculties of man, its aim is not mere instruction or the imparting of knowledge, but mental and moral training.. With this object in view, such studies are chosen as will most effectively further that end, by giving the student a general and well-rounded development of all his mental faculties and training his mind to habits of accurate and logical thinking, thus enabling him to follow successfully any professional or business career that he may choose.

With such a system of mental training the unrestricted electivism advocated by some modern educators is incompatible, because students usually follow the lines of least resistance and choose in consequence an ill-arranged, unsymmetrical course. After many unsatisfactory experiments in extreme electivism, the best educators of the present day are beginning to realize more fully than before that prescribed curricula, embracing well-chosen and co-ordinated studies, afford the most efficient means of mental cultivation and development. This however, does not prohibit the offering of more than one such systematic course, as for instance the Classical and the Scientific, nor even a moderate degree of electivism, especially toward the end of the course, for those who wish to specialize in the direction of their future profession. The College does not intend, however, to give professional instruction, but aims at a solid and broad preparation for the work of specialization which is proper to the university.

But quite as necessary as mental development, and even more so, is the forming of a young man's character, the guiding

of his moral faculties. Moral principles must be the solid basis upon which the whole education is to be built and the vital force supporting and animating the whole organic structure of education. Therefore, morality must be taught continuously and systematically; it must be the atmosphere which the student breathes, it must furnish the principles that will guide his entire conduct, his thoughts and actions.

But it is vain to pretend to give moral training without religion; therefore Canisius College, as every Catholic institution, insists on religious training as the only possible means of obtaining this moral development. Accordingly, the spirit of religion pervades its entire system of education; religious principles are inculcated as the invariable standard of conduct. Religious knowledge is carefully imparted, supplementing the catechetical instruction previously received in the High School with a thorough philosophical study of the evidences of religion and the objections commonly raised against it.

Catholic students are required to make the annual Spiritual Retreat, and to attend the Holy Sacrifice of the Mass in the College Chapel every morning. They are expected and urged to receive the Sacraments of Penance and Holy Communion at least once a week. Non-Catholic students are not required to take part in the exercises of religion.

OUTLINE OF STUDIES

The College course covers a period of four years. It presupposes a successful High School training, also of four years' duration.

It is one of the great advantages of this institution that it possesses a well-established and successful High School, which, while locally separated, is entirely under the control and direction of the College authorities. In this way, the preparatory studies are perfectly articulated with the College course. A student may therefore carry on his studies from the beginning under the same system and management, thus securing a uniform and homogeneous course of instruction, in which each year's work leads naturally to the next and prepares logically for it. Yet students from the public High Schools and other institutions of like grade are admitted, and receive every attention necessary to qualify them to follow the College course successfully.

Although entrance into some professional schools may be obtained as soon as a High School course is successfully completed, it has always been the earnest desire of the directors of this institution to see all the students of the lower department go on to graduation in the College. The requirement of a college degree as a condition of admittance is becoming increasingly prevalent among the best schools of Law, Medicine and Engineering. With this movement Canisius College is heartily in accord.

Course in Arts

The best means for acquiring that broad and thorough cultivation of the mental faculties which has been described above as the foundation for special and professional training is recognized to be the full and accurate study of the Latin and Greek classics. In connection with these, a thorough training in the arts of composition and rhetoric and in general literature, together with a comparative study of the English language and literature, is essential.

The analytical study of language and letters promotes exactness of thought, delicacy of perception and facility of expression, by the constant and keen exercise of judgment and taste, as well as of the reasoning powers. In this regard, the languages of ancient Rome and Greece, when intelligently and seriously studied, offer greater advantages than any other. They are also most helpful to the knowledge of our mother tongue. Their structure and idiom, so remote from the language of the student, reveal to him the laws of thought and logic and demand reflection and analysis of the fundamental relations between ideas and expression; they exercise him in exactness of conception in grasping the author's meaning and in clearness and delicacy of expression in clothing that thought in the very dissimilar garb of his own native tongue.

One modern language, usually French or German, is required, in addition to English.

History, which has been rightly described as Philosophy taught by examples, brings the student into close contact with the great minds and characters of all ages, and familiarizes him with the development and vicissitudes of civilization.

The Higher Mathematics, beside providing the scholar with the instruments of progress in the natural sciences, impart to the mental faculties a special kind of training that cannot be ignored.

The sciences of Physics, Chemistry, Geology and Biology must be known, at least in their outlines and with exact appreciation of their principles, if one wishes to be abreast of modern thought. They are, therefore, made obligatory features of the course.

But, above all, Mental Philosophy is considered of the highest importance. It gives the key to all true knowledge of nature, of man and God, and lays the only solid foundation for all other sciences, while revealing their interdependence and method.

Hence in the last two years of the course a thorough study is made of Scholastic Philosophy in its various branches, such as Logic, Metaphysics, Psychology, Natural Theology, Ethics and Political Economy.

The successful completion of this arduous course is rewarded with the degree of Bachelor of Arts. It is perhaps no violation of modesty to maintain that it is absolutely the best and most complete course for its purpose possible under the present conditions of human learning.

Course in General Science

However, as a considerable number of students are unable or unwilling, from disposition of mind or the character of their previous preparation, to undertake this highest and most perfect curriculum, the College provides a non-classic Scientific Course, substituting for Latin and Greek a fuller training in various branches of Natural Science, but retaining the other studies intended for general culture. The various branches of Philosophy especially, are granted a large share of attention. This course leads to the degree of Bachelor of Science. It is more fully described in a later section of this catalogue.

Pre-medical and Other Special Students

As an adjunct to the scientific course there has been established a Pre-medical course for students preparing to enter upon the study of medicine and unable to devote to college studies the period of four years necessary for the attainment of a degree in Arts or Science.

This Pre-medical Course is of one or two years' duration, according to the needs of the applicant and the requirements of the medical school he contemplates entering. This course fulfills all the requirements in Physics, Chemistry, Biology, Mathe-

matics, History and Modern Languages, both of the Regents of the New York State University and of the American Medical Association. Requirements for admission are the same as in the Course in General Science.

Candidates desiring to omit certain branches in any of the established curricula may be admitted as Special Students, provided they show themselves qualified to follow successfully the studies chosen. Such students are not candidates for a degree but will receive a certificate showing their standing in all branches completed by them.

Sessions and Holidays

The scholastic year begins on the Tuesday after the first Monday of September and closes with the Commencement exercises toward the end of June.

The Christmas Holidays extend from December 24th to January 2nd, inclusive.

The Easter Recess begins on Wednesday in Holy Week and continues until Tuesday in Easter Week, also inclusive.

No class is held on legal holidays or days of obligatory religious observances.

It is highly important that all the students be present on the day of reopening, as the regular class work begins at once. Disregard of this rule cannot but result in great inconvenience to class and teacher, and in greater disadvantage to the late comers themselves. Late comers, whether after the Summer or Christmas holidays, cannot compete for class honors, unless they present an excuse satisfactory to the authorities.

Admission

Candidates for admission, who are not personally acquainted with some member of the faculty, must present *testimonials of good moral character*. If they have previously attended some other institution of learning, *detailed information concerning their previous studies is demanded*, as well as a certificate of their class standing, and of honorable dismissal.

Admission may be by Examination, Regents' Diploma, or Certificate from an accredited academy, high school or normal school.

In all cases, the candidate must give satisfactory evidence that he has completed successfully a four years' course of study of High School grade, and that he possesses the knowledge re-

quisite for pursuing the studies comprised in the course to which he seeks admission.

A detailed statement of the requirements for both the Classical and Scientific Courses will be found in a later section of this pamphlet.

Candidates for admission as Special Students must show themselves qualified to follow successfully the studies chosen. For this purpose, such tests will be required in each case as the Dean and the various Professors deem advisable.

Parents who wish to withdraw their sons before the end of the scholastic year are respectfully requested to give due notice of their intention to the College authorities; otherwise no deduction from the tuition fees can be made.

Examinations and Reports

The standing of each student is determined by daily recitations, home work and oral and written reviews. Every month the class standing of all students is publicly read in the assembly hall. On this occasion a testimonial of "First Honors" is awarded to every student who merits a total of 95 per cent. in his class; a testimonial of "Second Honors" to every student who merits a total of 90 per cent.

In determining the class standing in the Arts course, Latin, Greek, English, History and Evidences of Religion are combined. Separate averages are computed for standing in Mathematics, Natural Sciences and Modern Languages.

In the Science course a similar method is pursued, Natural Sciences, English, History and Evidences of Religion being combined in determining the class standing.

Monthly as well as semi-annual reports are sent to parents and guardians, who are requested to sign and return them promptly.

The student's proficiency is determined according to the following table:

100 to 95 per cent.....	Excellent
95 to 85 per cent.....	Very Good
85 to 75 per cent.....	Good
75 to 70 per cent.....	Tolerable
70 to 65 per cent.....	Unsatisfactory
Below 65 per cent.....	Failure and condition

A condition means that the student has to pass a satisfactory examination in the branch in which he has failed, before he can be promoted to a higher class.

Written *tests* in all branches are held repeatedly during the year. *Oral examinations* in Latin and Greek, and *written examinations* in all branches are held at the close of each term. A fixed day will be set for the examination of all students subject to conditions. Any conditioned student requesting an examination at any other time will be required to pay a fee of one dollar.

Premiums and Distinctions

The first prize in each class is a gold medal, which is awarded to the student who has the highest class standing for the whole year; a premium is awarded to the student next in merit. Premiums are also awarded to all students having the highest total average in their respective classes of Mathematics, of Modern Languages, or of Sciences. Distinctions in single branches suppose a percentage of 86 in that branch.

Students who fail to reach an average of 65 per cent. for the year in any class branch are debarred from the medal and the premium of that class, even though their general average might otherwise entitle them to one or the other.

Any serious complaint against a student's conduct, attendance, application or deportment will exclude him from all honors.

The following special prizes are open to competition:

A prize of twenty dollars in gold for the best essay in Chemistry.

Canisius Alumni Sodality Medal for excellence in public debate.

A prize of twenty dollars in gold for the best English essay on some literary or historical subject.

Scholarships

The Scholarships are of two kinds—permanent and annual. A permanent scholarship is provided by a gift of \$1,500; an annual scholarship by a gift of \$60.

The following scholarships now exist in the College and High School and are available as they become vacant:

PERPETUAL SCHOLARSHIPS

The Fricker Scholarship, founded by Miss Flora Fricker.

The Leddy Scholarship (1), founded by Rev. H. M. Leddy.

The Leddy Scholarship (2), founded by Rev. H. M. Leddy.

The Biden Scholarship, founded by Rt. Rev. Mgr. John Biden, D. D.

The St. Michael Scholarship, founded by a Friend.

The Canisius Alumni Sodality Scholarship, founded by the Canisius Alumni Sodality.

Eighteen General Scholarships.

ANNUAL SCHOLARSHIPS

One Scholarship given by the Canisius Alumni Association.

One Scholarship given by the Canisius Alumni Sodality.

The scholarships at present in existence apply to both the High School and College, but the tenure of the incumbent ceases at the end of the High School period and the scholarship is thrown open to general competition for the College course.

Any holder of a scholarship whose conduct or proficiency in studies fails to give satisfaction to the College authorities will forfeit his privilege.

Information concerning conditions, dates of competition, etc., may be obtained from the Dean.

NEW YORK STATE UNIVERSITY SCHOLARSHIPS

In every county of New York State, five scholarships for each assembly district comprised therein are given annually by the State. In Erie County, therefore, the number of such scholarships is forty-five.

Each such scholarship entitles the holder thereof to the sum of one hundred dollars for each of the four years of attendance upon an approved college in this state.

The Scholarships are conferred by the Commissioner of Education upon those students who have passed with the highest standing in their respective counties (not districts) the Regents' examinations for college entrance and have secured the corresponding diploma.

Canisius College is one of the approved institutions in which such scholarships may be enjoyed.

Discipline

The regulations of the College are calculated to secure the order necessary for the effectual pursuit of studies, to develop and strengthen character, and to promote gentlemanly deportment and polite manners. They are enforced with paternal gentleness, combined with energy and firmness. The motives appealed to are honor, conscience and religion.

Although the institution cannot be held responsible for the conduct of students outside of the premises, yet bad conduct outside as well as on the premises, profane or unbecoming language, insubordination, continued inapplication to studies or irregularity in attendance, are causes for dismissal.

The class hours are: 9:00 to 10:50 a. m.
11:00 to 11:55 a. m.
1:00 to 2:50 p. m.

every weekday except Wednesday, the weekly holiday.

All lecture and class periods are of fifty-five minutes, actual duration.

The students are required to be regular and punctual in their attendance. Without regular attendance and serious application on the part of the students, it is impossible to attain the purpose for which they are received into the institution.

Parents and guardians of students are informed that home study for the space of *two or three hours* is required every day. If a student does not devote this amount of time to his studies, the Prefect of Studies should be informed. A notice should also be sent whenever illness or any other cause prevents a student from attending class; a written excuse signed by parents or guardian must be handed to the Prefect before a student is again admitted to the class. In case of absence, parents are regularly notified. In general, **FREQUENT COMMUNICATION OF PARENTS WITH THE AUTHORITIES IS INVITED.**

Academic Costume

The wearing of the university cap and gown by the students of the Junior and Senior years is encouraged, especially on the more solemn academic occasions. Graduates are entitled to wear the complete academic costume, consisting of gown, cap and hood. All members of the Faculty holding degrees from other institutions of learning may wear the hood proper to the same degree in this College.

It is hoped that at all commencements and other gatherings of an academic nature this right will be exercised by those possessed of it.

The hood indicates in every case the wearer's degree. The Bachelor's hood is ten inches shorter than the Master's, while the Doctor's hood, of the same length as the Master's, is attached to a broad panel of the same material as the hood itself. The department in which the degree was taken is pointed out

by the color of the edging—white designating Arts or Letters; gold-yellow, Science; blue, Philosophy; purple, Law; green, Medicine; lilac, Dentistry; scarlet, Theology. The interior of the hood is lined with the college colors, viz., royal blue and old gold, in silk.

EQUIPMENT

The new building in which Canisius College has been housed since January, 1913, is extremely perfect in respect to light, ventilation and hygiene. Being of reenforced concrete construction, with trimmings of Vermont and Tennessee marble, it is considered entirely fireproof. The class rooms are flooded with light and the desks are so arranged that the illumination is always from the left. Adjustable seats render possible the best posture in studying and writing. The electric lighting is abundant and judiciously distributed. In order to avoid the injurious effects of the low frequency alternating currents furnished by the lighting company, a direct current dynamo has been installed by the College with satisfactory results.

The building still lacks the two capacious wings necessary for its completion. While the class room accomodations and the laboratories are sufficient, though barely so, for present requirements, great need is felt of an assembly hall for academic gatherings, lectures and dramatic entertainments, of a chapel, a library and a gymnasium. The rooms in which these most important departments are temporarily established are entirely inadequate. It is hoped that friends of higher education may come to the assistance of the College and enable it at no distant day to erect one or both of the wings included in the original design.

Libraries

The libraries of the College Department, since the separation of the latter from the High School, have been in process of formation. The Faculty Library now comprises somewhat more than five thousand volumes. Although this number is very small, the careful selection of the works renders the collection very useful for the purposes of the professors.

The Students' Library also comprises several thousand books. The leading periodicals, both Catholic and secular, are supplied to the Reading Room.

A special Scientific Reference Library of over two thousand volumes and a large number of periodicals relating to branches of Natural Science are at the command of students in these fields.

If the books of the High School are included, the College possesses in all some forty-six thousand volumes, exclusive of pamphlets.

It is earnestly desired to build up a great collection, as the most efficient means, after positive instruction, for the attainment of erudition.

During the past year, an appeal made to alumni and friends in the columns of the Canisius Monthly met with a gratifying response. More than eleven hundred volumes, mostly very desirable, with three hundred and ninety dollars in money, were received from this source. The volumes added comprise many sets of standard essayists, novelists, and historians, Lemaire's complete edition of Latin classic authors in one hundred and forty one volumes, etc., etc.

The donation of books is one of the best means by which friends may aid the College. If some person of means, or some society would undertake to supply the famous Migne collection of Latin and Greek Fathers of the Church, or either the Latin or Greek portion singly, the foundation of a great library would be laid.

The entire Patrology costs in Paris about eleven hundred dollars, and the two sections singly in proportion.

EQUIPMENT OF THE SCIENCE DEPARTMENT

Chemistry

The equipment of the Department of Chemistry consists of a lecture-room capable of seating comfortably eighty students, a private laboratory for the instructors and advanced students, and a large, well-lighted students' laboratory with desks for forty-eight students working at one time.

In the lecture-room, the professor's table is of the most approved construction, being supplied with alternating and direct current for electrical work, a fume vent, gas, hot and cold water, exhaust and compressed air valves. There is a large tank at one end of the table with glass panels on three sides. The room is also equipped for stereoptic projection. Immediately adjoining the lecture-room is the instructor's private laboratory, which serves also as a preparation room. A well supplied store-room for apparatus and chemicals is situated on the floor above the laboratory. The precision balances for quantitative experiments are attached to the wall of the preparation room.

The students' laboratory adjoins the preparation room. The desks are arranged so that each may be used successively by two or more students, thus increasing the capacity of the laboratory to over one hundred persons. Each desk is supplied with cold water, exhaust, compressed air, a fume vent and direct current for electro-chemical experiments. Alternating current is also available, if needed. There is also a large hood in the laboratory with hydrogen sulphide supply. This hood is ventilated by a motor-driven exhaust fan. The laboratory is abundantly well lighted and ventilated.

A large supply of chemical apparatus of recent type affords facilities for experiments and systematic work in all the departments of general, analytical, organic and industrial chemistry.

A field in which the College equipment proves of general benefit to the City of Buffalo was indicated during the past year by work done in solving problems for certain industrial houses.

Physics

The Department of Physics has at its disposal a lecture-room equal in size and similar in equipment to the chemical lecture-room. The Physics lecture-table has a detachable end mounted on rollers, by means of which delicate instruments may be brought, without danger of breakage or disarrangement, from the instrument room. A heliostat of special design is available for all experiments on light. The professor's laboratory and preparation room is immediately adjacent to the lecture-room. In this laboratory are the motors and dynamos generating current for power purposes for the entire scientific department.

The cases of the instrument room adjoining are of special design and ample size. The stock of instruments is abundantly sufficient for all the courses offered, and is being constantly added to. The Bischoff collection of lantern-slides, numbering over five thousand and covering most natural science subjects, as well as subjects of history, travel, etc., is kept in the instrument room. One thousand lantern-slides, constituting ten lectures on strictly technical subjects, have recently been added to the Bischoff collection.

The students' laboratory in Physics contains ten tables, each for four students working simultaneously. Each table has gas, compressed air, alternating and direct current. There is a fully equipped photographic dark-room at one end of this laboratory, so constructed that it can be used also for experiments in light and optics. The dark-room also contains nitrogen and tungsten lamps sufficient to produce two thousand candlepower for copying purposes. A Fuller-Schwing copying camera of com-

mercial size is available for the production of lantern-slides for lectures.

The receiving and transmission apparatus of the wireless station is located in a corner of the laboratory. This station has a sending capacity of two hundred miles under all conditions and is used entirely for experimental purposes and for instruction. By the addition of an "Audion" receiving detector the range of the receiving station is increased to considerably over two thousand miles. When the antenna is not in use for wireless purposes, it is directly connected to an electro-static recorder which shows the intensity of the earth's electrostatic field for meteorological study.

During the year the physical equipment was increased by the following instruments:

Radio Apparatus Co., wireless receiving transformer; Dr. DeForest, "Audion" with Hudson filament; Torsion pendulum and inertia balance; Gyroscope with $3\frac{1}{2}$ inch wheel; Truss and hoisting crane; Boyle's law apparatus; Constant volume Air Thermometer; Variable speed and multiple recording kymograph; Wollaston Cryophorus; set of magnetic lines of force apparatus; Wheatstone Bridge, (Diamond form); complete set of Thompson magnetic repulsion apparatus; Clapp-Eastham high-speed motor and rotating spark gap; Leeds-Northrup Co., enclosed type lamp and scale; Queen & Co., high sensitivity galvanometer; L.-N. galvanometer telescope and scale.

During the year a number of investigations have been carried on in the laboratory in regard to problems submitted by various companies and individual citizens.

Biology

The Biological equipment consists of a lecture-room containing excellent teaching collections. There is a Botanical collection of over one thousand specimens of the flora of New York State. A complete collection of Agaricus is here available for study. The Zoological and Physiological collection embraces many specimens for the study of Physiology and Comparative Anatomy. An excellent collection in Paleontology and Stratigraphic Geology is located provisionally in this room. There is also a collection of reptiles and insects for the study of Entomology. The biological laboratory is located at present at one end of the physical laboratory, provision being made for at least thirty students. The laboratory equipment consists of fifteen high-power microscopes, twelve individual dissecting microscopes, dissecting apparatus, microtome, sterilizers, culture oven,

imbedding apparatus, electric germinating bed, centrifuge, apparatus for blood test and urinalysis, etc.

The following additions were made to the biological equipment during the year: Five B. H 2 Bausch & Lomb high-power microscopes complete; six students' dissecting microscopes; one variable speed centrifuge; one set for milk analysis; one Haematokrit; one set of permanent microscopical mounts of Pathological Germs (standard); one Dr. Healy comparison ocular; one Bausch & Lomb indirect illuminating ocular; seventy-five lantern-slides of the Cerebro-spinal and Sympathetic Nervous Systems; four full-size anatomical charts for pre-medical study.

Geology

The College possesses excellent collections in Mineralogy, Lithology, Structural and Historical Geology. Besides the display collection covering Crystallography, Physical and Chemical Mineralogy and Lithology, there are a number of sets of minerals and rocks for individual work in these subjects. Among other aids to the study of Geology may be mentioned the Ashton collection of shells and corals and the Phenomenal Geology collection, as well as complete sets of the publications of the United States Geological Survey, of the New York Survey and of the Smithsonian Institute, in Washington. From the Bischoff collection there are available over a thousand lantern-slides for teaching Geology. An excellent polarizing microscope by Reichert of Vienna together with fifty permanent microscopic mounts are available for microscopic study of minerals and crystals.

Astronomy

For Astronomy, the College possesses an excellent 3½ inch equatorial. From the roof of the College weekly observations are made on favorable evenings by the members of the class. Since April 1st, 1915, daily observations of sun-spot phenomena have been made. By means of suitable apparatus a Graflex camera recently acquired is attached directly to the telescope and photographs of sun-spots and faculae have been made. A permanent record of these phenomena is kept for studies in meteorology.

The College is also supplied with numerous astronomical maps and charts, together with a series of astronomical lantern-slides. The B-K Solar Calculator was secured during the year for teaching the apparent motion of the sun in relation to any point on the earth's surface and any time of the year, the altitude of the sun at any latitude upon any day of the year, to determine the sun's zenith distance and kindred problems.

The Meteorological Observatory

In November, 1912, by direction of the Chief of the United States Weather Bureau, the new Canisius College was selected as the site of an auxiliary station of the Bureau under the Superintendence of the District Forecaster of the Buffalo District. The object of the station was to be climatological investigation and the open situation of the new College was declared to be ideal for the purpose. A full meteorological equipment was installed consisting of the following:

A standard forty foot tower erected at the northeast corner of the College roof for the wind-vane, anemometer and sunshine recorder; Robinson anemometer; wind-vane, standard four-foot pattern; electrical thermometric sunshine recorder; instrument shelter, with maximum and minimum, wet and dry bulb thermometers; tipping-bucket rain gauge; rain and snow gauge; Ricard aneroid barograph; Ricard thermograph; meteorograph, triple register, quadruple register.

The recording instruments are in a room in the northeast corner of the building, immediately under the tower. Visual observations of temperature, rainfall and humidity are made daily at 8 A. M. and 8 P. M. Maximum and minimum temperature and rainfall for each twenty-four hours are telephoned to the Buffalo local office of the Weather Bureau. A monthly report and summary is forwarded to the Central Bureau for New York State at Cornell University. While there is no distinct course in Meteorology at Canisius, the fundamental principles of the science are given in the lectures in Physics and Geology. Each year a number of assistants will be selected from among the students to aid the director in taking observations. They will be instructed in the use and care of instruments and in making observations from them.

The Museum

The College Museum is set up temporarily in the large room adjoining the biological lecture-room. It contains the mounted specimens of animals, the geological and mineralogical collections, the Ashton collection of shells and corals, the entomological collection and those of coins and stamps.

For the lack of room in the Museum, the bird collection, the collection of Indian and Roman relics, and the Bibles and manuscripts are displayed in other rooms. This last named collection includes a copy of the famous Koberger Bible in German, published in 1483, the year of Luther's birth; the great Antwerp Polyglot Bible in six versions, a German Bible of 1534, translated by Peter Jordan, and another of 1536 by

Dr. Johannes Eck, with other editions of the Scriptures in western and oriental languages and many early and curious printed works, maps, etc.

The Seismological Observatory

The Seismological observatory is situated in a vault in the basement. It is provided with an eighty kilogram Weichert horizontal pendulum (astatic). The instrument, encased in an air-proof chamber, rests upon a solid concrete base which extends to solid rock twenty feet below the level of the street. The concrete pier is surrounded by water on the surface of which floats oil. This arrangement prevents slight surface shocks from being recorded. The location of the seismograph is extremely favorable for the observation of earthquakes and earth tremors and the instrument has shown remarkable sensitivity. During the year no less than fifteen major quakes and as many more minor shocks were recorded. Disturbances as far east as Smyrna, a distance of approximately 10,000 miles, have been noted. Since the first of January, 1915, the Canisius Seismological Observatory has become one of two hundred stations co-operating with the United States Weather Bureau Department of Seismology. Upon the invitation of the Chief, Professor C. F. Marvin, monthly reports are sent to Washington and printed in the "Monthly Weather Review."

Efforts are now being made in the observatory to measure the periodical tilting or displacement of the pier and instrument from the vertical due to uplift of the strata, or "earth-tides." A modified form of experimental seismograph is being constructed upon another concrete pier in the observatory and suitable recording apparatus has been ordered. Results valuable to science are hoped for in the combination of continuous and synchronous meteorological and seismological observations.

Students interested may be appointed assistant observers in the seismological observatory also.

Recreation and Athletics

Recreation rooms, with pool tables, piano, etc., afford opportunities for indoor amusement.

The athletic field adjoining the College comprises some eight acres and is well graded. During the past year it has been enclosed with an iron fence.

Lawn tennis courts have been laid out and a running track, to be considerably more than a quarter of a mile in length, has been begun. Stands and seats from which the games may be comfortably witnessed are very much needed, as is also a gymnasium building.

The Athletic Association would appreciate the assistance of alumni and friends in providing for this need and in otherwise developing athletic exercises in the college.

Fees and Other Expenses

Tuition, in all departments, per annum.....\$60.00
 Library Fee, in all departments, per annum..... 2.00

Laboratory Fees.—All students, whether of the Arts or Scientific department, who take courses in Natural Science, are subject to special fees, to cover the expense of common materials, such as gas, electricity, etc., and for the use of general scientific apparatus. These charges are higher for students of the Scientific Course, owing to the larger proportion of laboratory work and consequent use of material and apparatus.

Arts Course:

Chemistry per annum.....	10.00
Mechanics or Physics, per annum.....	10.00
Biology, per annum.....	10.00

Scientific Course:

Chemistry, per annum.....	20.00
Mechanics, per annum.....	10.00
Physics, per annum.....	20.00
Biology, per annum.....	10.00

Pre-medical and other Special Students are charged in proportion to the above schedule, according to the branches taken, as are also those regular students taking elective courses, such as Quantitative Analysis or Organic Chemistry.

Graduation Fee 10.00

All regular charges are to be paid quarterly in advance.

Accounts date from the first day of the quarter. No deduction is made for absence, save in case of protracted illness.

Former students applying for a detailed certificate of standing must pay a Registrar's fee of \$1.00.

Text-books and stationery, when purchased from the College, must be paid for in cash.

Degrees will not be conferred upon students whose debts to the College remain unpaid.

Students whose accounts with the Treasurer have not been settled before the close of the year, will not be allowed to take honors, to be promoted to a higher class, or to receive a certificate.

Requirements for Admission to the Arts Course

These requirements are in substantial agreement with the entrance requirements of all the colleges in the State of New York, and fully comply with the Regents' requirements for a college entrance diploma.

I. ENGLISH:

1. Principles—Principles of Composition and Rhetoric involved in the use of words, the structure of sentences and paragraphs; the ordinary forms of composition; letters, narrations, descriptions and essays, versification.

The matter contained in Genung's Outlines of Rhetoric and Coppens' Introduction to Rhetoric will serve to indicate what is demanded under this head.

2. Practice—The candidate will be required to write an essay based on the authors specified below for thorough study. The work must be correct in spelling, punctuation, idiom and division into paragraphs, and must give evidence of some proficiency in narration and description.

3. Literature—

- (a) A *thorough* study of the following works is required: Shakespeare's Merchant of Venice; Tennyson's Holy Grail and Sir Galahad; Gray's Odes and Elegy; Macaulay's Essays on Addison and Life of Johnson; Scott's Lay of the Last Minstrel; De Quincey's Joan of Arc; Irving's Sketch Book; Goldsmith's Deserted Village.
- (b) A *general* knowledge of the following is required: Addison's Sir Roger de Coverley; Coleridge's Ancient Mariner; Scott's Ivanhoe and The Lady of the Lake; Dickens' Christmas Stories; Longfellow's Hiawatha; Hawthorne's Tanglewood Tales; Wordsworth's Selected Poems.

II. LATIN:

1. Grammar—A thorough knowledge of the grammar, particularly of the structure of subordinate and dependent clauses in direct and indirect discourse. Also some acquaintance with Latin prosody and its application to hexameter and pentameter verse; scansion of Virgil and Ovid.
2. Composition—Translation into Latin of an easy continuous prose passage, based upon Caesar or Cicero.
3. Reading—Nepos: Lives, to the end of the life of Alcibiades; also the life of Atticus.
Caesar: *De Bello Gallico*, four books.
Ovid: Selections from the *Metamorphoses* and *Tristia* (1000 lines).
Virgil: Eclogues; Aeneid, Book I.
Cicero: *De Senectute* or *De Amicitia*. Orations against Catiline.
Sallust: Catiline or Jugurtha.
The translation at sight of passages not previously seen.
Equivalents will be accepted.

III. GREEK:

1. A thorough knowledge of the etymology and syntax of the Greek grammar is required and must be shown by the candidate in oral explanation of passages taken from authors and in translation from English into Greek.
2. Reading—Xenophon, four books of the *Anabasis*, or an equivalent from the other writings of Xenophon.
3. Sight reading of easy Attic prose.

IV. HISTORY:

1. Greek and Roman History.
2. English and American History.

V. MATHEMATICS:

Advanced Algebra.
Plane and Solid Geometry.
For advanced students: Trigonometry.

VI. FRENCH OR GERMAN:

1. Grammar.
2. Translation.
3. Grammatical Analysis.

Course of Studies

The Arts Course

FRESHMAN CLASS.

I. EVIDENCES OF RELIGION: (Two hours a week.)

(Wilmers' Handbook of the Christian Religion)
 Creation of the world, various grades of creation, spiritual world, material world, man. God, the Redeemer of fallen man. Grace, actual grace, sanctifying grace. Sacraments in general. Baptism, Confirmation, Holy Eucharist.

II. LATIN: (Seven hours a week.)

1. Authors:

I Term: Virgil, Aeneid.

Horace, Ars Poetica.

Cicero, Pro Archia.

Livy, selections for translation and sight reading.

II Term: Horace, Odes (selected).

Cicero, Pro Marcello, Second Philippic or De Signis.

Livy, (as above).

2. Composition—Principles of Latin style. Latin prosody and versification with special reference to Latin lyric metres. Prose composition twice a week, verse once a week.

III. GREEK (Five hours a week.)

1. Grammar—Review of Greek moods and tenses. Prosody and versification for the structure of epic and tragic verse.

2. Authors:

I Term: Plato, Apology.

Homer, Odyssey.

Herodotus, (selections for sight reading).

II Term: Demosthenes, Olynthiacs.

Euripides, Hecuba.

Herodotus, (selections for sight reading).

3. Composition—Written exercises once a week, in imitation of Plato and Demosthenes.

IV. ENGLISH: (Three hours a week.)

1. Precepts—Principles of literary criticism. Choice of words. Elegance, vigor and variety of expression. The orderly and logical development of thought. Prose rhythm, style. Principles of narration, description and exposition. Nature of poetry. Poetic diction. Versification. The Epic. A comparative study of the *Odyssey*, *Æneid* and *Paradise Lost*. Lyric poetry, its various kinds. (Kleutgen, *Ars Dicendi*; Connell, *A Study of Poetry*.)
2. Authors: Prose—Newman, Ruskin, De Quincey, Hawthorne, Arnold (Brewster's *Studies in Structure and Style*). Poetry—Selections from Shelley, Wordsworth, Keats, Tennyson (Palgrave's *Golden Treasury*), Milton, *Paradise Lost*, I, II; Shakespeare, Julius Caesar, *Midsummer Night's Dream*.
3. Composition: One composition in prose or verse to be written each week outside of class. The nature of this composition work will be in keeping with the scope of the class work as outlined in the precepts given above.
4. History of English Literature: Early English literature. The Age of Chaucer. The Elizabethan Period. Shakespeare and his Contemporaries. (Brooke's *English Literature*.)
5. Elocution.

V. MATHEMATICS: (Four hours a week.)

I Term: Plane Trigonometry with its application to practical Surveying and Elementary Navigation. (Wentworth.)

II Term: Analytical Geometry, loci and equations, the straight line, the circle, parabola, ellipse, hyperbola; general discussion of the equation of the second degree.

VI. HISTORY: (Two hours a week.)

The first Teutonic invasions. The fall of the Western Empire. The kingdoms of the Franks, Ostrogoths and Lombards. The Arabians. The establishment of the Papal States. Church and State. Carolingians, Northmen, Norman exodus. Lay investiture. Crusades. (Guggenberger's *General History*, Vol. I.)

VII. GERMAN OR FRENCH: (Two hours a week.)

German 1. Principles of German Style: Bone, Part II.

2. Prose Composition: Different kinds of prose com-

position, especially historical, narrative and descriptive.

3. Reading: One or more of the following: Schiller, Wilhelm Tell, Wallenstein; Brentano, *Der Fahrende Schueler*; Klopstock, *Messias*; Niebelungen Lied.

French 1. Characteristics of French Style.
 2. Prose Composition: Conversational, narrative, descriptive.
 3. Reading and Literary Criticism: One or more of the following: Châteaubriand's *Les Aventures du Dernier Abencerrage*, Molière's *Le Bourgeois Gentilhomme* or *L'Avare*, Corneille's *Le Cid* or *Polyeucte*.

SOPHOMORE CLASS.

I. EVIDENCES OF RELIGION: (Two hours a week.)

(Wilmers' Handbook of the Christian Religion.)

I Term: The Sacraments of Penance, Extreme Unction, Holy Orders, Matrimony, the Church as a means of salvation. The Last Things. Basis of morality. Objective and subjective norm of human action. Moral good and moral evil.

II Term: The Theological Virtues. Virtue of Religion, Christian duties towards ourselves and our neighbors, Christian perfection.

II. LATIN: (Eight hours a week.)

1. Authors:

I Term: Cicero, *Pro Lege Manilia*.

Horace, *Epodes*, *Satires*, *Epistles* (selected).

Tacitus, *Agricola* or *Germania*.

II Term: Cicero, *Pro Milone*, *Pro Ligario*.

Juvenal, *Satires* (selected).

Tacitus, *Annals*, Book I.

3. Composition: Oratorical prose composition and occasionally an exercise in Latin verse.

III. GREEK: (Five hours a week.)

I Term: Demosthenes, *First Philippic*; or

Æschylus, *Promotheus Bound*.

Sophocles, *Oedipus Tyrannus*.

Thucydides, Book II (selections).

II Term: Demosthenes, *De Corona*.

Thucydides, Book II (continued).

IV. ENGLISH: (Three hours a week.)

1. Precepts of Oratory (Kleutgen, *Ars Dicendi*, and Coppens, Oratorical Composition).

2. Rhetorical Analysis of Great Orations:

I Term: Burke, American Taxation or Bristol Election.

Cicero, *Pro Lege Manilia*.

Demosthenes, First Philippic, or
Æschines, Against Ctesiphon.

II Term: Cicero, *Pro Milone*.

Demosthenes, *De Corona*.

Burke, Conciliation with America.

Webster, Adams and Jefferson.

3. Authors:

I Term: Shakespeare, *Hamlet* (analysis), King Lear (reading).

Burke, Speech to the Bristol Electors.

Webster, Bunker Hill.

Newman, Second Spring.

Palgrave, Golden Treasury.

II Term: Shakespeare, *Macbeth* (analysis).

Bradley, Oratorical Selections.

Stedman, American Poets.

4. Composition: Oratorical. Exercises in the application of the precepts of rhetoric. Practice in the drawing of briefs.

5. History of English Literature, from the death of Elizabeth to the Victorian Period (Brooke's English Literature, cc. V-X.)

6. Elocution.

V. MECHANICS: (Two hours a week.)

Theoretical and Experimental Mechanics. Kinetics.

Dynamics. Mechanics of Liquids and Gases.

VI. CHEMISTRY: (Three hours a week.)

General Inorganic Chemistry: Lectures, recitations and laboratory work. Introduction to Chemistry. Fundamental laws, history, occurrence, preparation and properties of the elements and their principal compounds. Gravimetric and volumetric relations. Kinetic molecular hypothesis. Solution, chemical equilibrium. Ionization and interactions of ionic substances. Flame and illuminants. (Text-book, Smith's College Chemistry.)

VII. HISTORY: (Two hours a week.)

Causes of the so-called Protestant Reformation; The Great Western Schism, The Hundred Years' War, Wars of the Roses, Consolidation of the European Monarchies. The Reformation in Germany, in

England and Scotland. The Catholic Revival. The Wars of the Reformation; Huguenot wars, Mary and Elizabeth, The Thirty Years' War, the Puritan revolt. Age of Louis XIV. (Guggenberger, Vol. II.)

JUNIOR CLASS.

I. EVIDENCES OF RELIGION: (Two hours a week.)
 (Wilmers' Handbook of the Christian Religion.)
 Revelation in General. Pre-Christian revelation.
 Christian revelation. Institution of the Church.
 Constitution of the Church. Marks of the Church.
 Teaching office of the Church. Scripture, Tradition.
 Existence of God. Nature and attributes of God.

II. PHILOSOPHY:

FORMAL LOGIC: (Five hours a week for one term.)
 Intellectual perception; division of ideas and terms.
 Definition and division.
 Judgment—Division of judgments and propositions.
 Opposition of judgments.
 Reasoning—The reasoning process. Rules of the simple categorical syllogism. Conditional and disjunctive syllogism. Different forms and kinds of argumentation. Syllogistic concentration and fallacies.

APPLIED LOGIC: (Five hours a week for one term.)
 Logical truth and certainty. Human certainty vindicated against skeptics. The three fundamental truths.
 The four sources of certainty; experience, internal (consciousness) and external (outer senses); ideas compared; historical testimony.
 Refutation of Acosmic Idealism. Nature and value of universal ideas. Reasoning as a means of knowledge. Induction and its basis.
 Objective evidence, the universal criterion of truth.
 False criteria. Necessity and freedom of assent.
 (Frick's *Logica*.)

ONTOLOGY: (Five hours a week for one term.)
 The concept of being. Analogy of being. Negation of being. The first principles derived from being.
 Essence and existence. Knowledge of essence possible. Possibility, intrinsic and extrinsic; the ultimate source of each.
 Attributes of being: Unity, truth, goodness.

The concepts of substance and accident; their division. Hypostasis and person. Quantity, quality, relation.

Principle and cause; divisions of cause; the principle of causality.

Perfection of being. The finite and the infinite; the necessary and contingent. Order and beauty. (Frick's *Ontologia*.)

COSMOLOGY: (Five hours a week for one term.)

Space and time; their nature and relation to bodies.

Origin of the world by creation; temporal creation of the world.

The laws of nature. Miracles possible and knowable.

Constitution of bodies: The dynamic, atomic and hylomorphic theories compared. (Haan's *Philosophia Naturalis*.)

PHILOSOPHICAL DISPUTATION: (One hour a week for both terms.)

III. PHYSICS: (Five hours a week, besides a sufficient number of hours in the laboratory to complete the work prescribed.)

Acoustics: Theory of vibration. Laws of propagation, refraction, resonance and interference of sound waves. Musical sounds, harmony, musical instruments.

Heat: Thermometry, calorimetry. Change of State. Solutions. Thermodynamics. Kinetic theory of gases.

Optics: Light waves; their reflection, refraction, interference, dispersion, radiation, absorption, polarization. Colors. Optical instruments.

Electricity: The electrostatic field. The electric current. Current induction. Electric measurements. Dynamos and motors. Telegraph. Telephone. Electric lighting. Transmission of power. Electric waves. (College Physics, Carhart.)

IV. CHEMISTRY, QUALITATIVE ANALYSIS: (Four hours a week, lectures and laboratory practice.)

Analysis of inorganic substances, including acid and basic analysis of known and unknown solutions.

V. HISTORY: (Two hours a week.)

Causes of the Social Revolution: The Hanoverian Succession, Making of Russia, Wars of the Austrian Succession, The American Colonies, Seven Years' War, Division of Poland, American War of

Independence. The French Revolution. Era of Napoleon I. Catholic Emancipation. European Revolution. (Guggenberger, Vol. III.)

VI. ELOCUTION: (One hour each alternate week.)

SENIOR CLASS.

I. EVIDENCES OF RELIGION: (Two hours a week.)

(Wilmers' Handbook of the Christian Religion.)
Review of the more important dogmas bearing upon religious questions of the day.

II. PHILOSOPHY:

PSYCHOLOGY: (Five hours a week for one term.)

Life in general. Three degrees of life; vegetative, sensitive, intellectual.

Sensitive life; outer and inner senses; sensuous appetite and locomotion.

The human intellect; its spiritual nature; its object; process of its operation; its freedom.

Child psychology; development of sensuous and intellectual perception in the child; its feelings, emotions and motor activities.

Nature of the human soul, its simplicity and spirituality. Unity of the soul; its relation to the body.

Origin of the human soul by creation; its immortality.

Various systems of evolution examined.

(For reference, Boedder's *Psychologia Rationalis*.)

THEODICY: (Five hours a week for one term.)

The existence of God demonstrated. Atheism.

The essence of God. His infinite perfection, simplicity, unity. Pantheism refuted. God's immutability, immensity, eternity.

The divine intellect and the divine will. The moral attributes of God. The power and providence of God. (For reference, Boedder's *Theologia Naturalis*.)

ETHICS: (Five hours a week, both terms.)

GENERAL ETHICS:

The moral agent and the moral act.

The ultimate end of man. Refutation of Hedonism and Utilitarianism. The end of the present life.

Difference between moral good and evil. The true norm of morality; false theories. Virtue and vice; merit and demerit.

The natural law; its existence, its properties, its sanction. Refutation of Kant's categorical imperative.

Positive law based on the natural law. Properties of positive law.

Conscience; its binding force; rules governing it. Rights; nature and division of rights; subject of rights.

SPECIAL ETHICS:

Individual rights and duties; to God, necessity of religion; to self, immorality of suicide; to others, charity and justice.

The right of freedom of conscience; of free self-culture; of self-defense.

Ownership; Socialism.

Society in general; nature and constituent elements of society; social activity.

The Family: divine institution, unity and indissolubility of marriage. Necessity of marriage—celibacy. Rights and duties of husband and wife. Emancipation of woman. The marriage contract; to what authority it is subject. Nature of parental society. The right and duty of parents to educate their children.

Relation between master and servant. Slavery.

The State: Origin of the State. False theories of Hobbes and Rousseau. The State, an institution of nature. Civil authority, not from the consent of men or a civil contract, but from God, the author of nature. The juridical relations which constitute the State established by the law of nature. The triple contract of Puffendorf.

The object of the State, not merely protection of rights, but the provision of all the means and conditions necessary for the perfect temporal well-being of all its citizens as far as they are not obtainable by private activity. State absolutism, absurd and immoral.

Families, the units of the State. Political equality of woman.

Municipalities. Classes. Estates.

The territory. Eminent domain.

Nature and essential properties of civil authority. The original subject in which it is vested. The different forms of government; their respective advantages and disadvantages. Constitutional and representative polity.

The limits of civil power. Duties and rights of the State with regard to moral and intellectual well-being. Public morality and religion. Relation between Church and State. Religious liberty. Rights of the State to educate, indirect and subsidiary only. The school question. Compulsory attendance at school.

Liberty of the press. Liberalism.

Duties and rights of the State with regard to material prosperity. The social problem.

Legislative powers—duties of legislators; qualities of law. Administrative power—duties of civil officers. Judicial power—duties of judges and lawyers. Penal power—object of punishment; capital punishment.

Acquisition of civil power, legitimate and illegitimate. Usurpation—prescription of usurped power. Despotism of rulers and changes of governments. Resistance to civil authority.

International Law: Existence of a natural international law; private and public. Particular rights and duties contained in it. Intervention. International treaties. Concordats.

War—Defensive and aggressive; conditions of its lawfulness.

Nationalities—the family of nations.

(Cathrein's *Philosophia Moralis*.)

PHILOSOPHICAL DISPUTATION: (One hour a week, both terms.)

IV. BIOLOGY: (Three hours a week.)

PSYCHOLOGICAL PHYSIOLOGY:

Fundamentals of physiologic processes. Correlation and interdependence of structure and function. A study of the functions of various tissues, accompanied by microscopic examination. Properties of skeleton, cardiac and visceral muscles. Features of nervous system of digestive tract; control of respiration and circulation by nervous system. Sensory nerves. The brain and spinal cord. Cerebro-spinal and sympathetic nervous systems.

Chemical Physiology. Development of cell. Evolution of organism from hypo-, meso-, epiblast.

Bacteria, Fermentation, Putrefaction, Antiseptics, etc.

V. GEOLOGY: (Three hours a week for one term.)

Physiographic: general features of the earth's surface. Structural: constitution of rocks, terranes, classification of the Animal and Vegetable Kingdoms. Dynamic: The formative, protective and destructive effects of life, chemical action of air and water, mechanical effects of air and water, sources and effects of heat, crustal movements. Historic: Archæan, Paleozoic, Mesozoic, Cenozoic.

VI. ASTRONOMY: (Three hours a week for one term.)

Celestial Mechanics, Descriptive Astronomy, Application of general principles of Trigonometry, Astronomical instruments, Observation.

VII. ELECTIVES: (Three hours a week. See courses on page 45.)

VIII. ELOCUTION: (One hour each alternate week, to be deducted from one of the Science branches mentioned above, or from the Electives.)

WEEKLY SUMMARY—ARTS COURSE.

FRESHMAN	Hours	SOPHOMORE	Hours
Latin	7	Latin	8
Greek	5	Greek	5
English (with Elocution) ..	3	English (with Elocution) ..	3
Mathematics (Trigon., An. Geom.)	4.	Mechanics	2
Evidences of Religion....	2	Evidences of Religion....	2
History	2	History	2
German or French.....	2	Chemistry	3
—		—	
	25		25
JUNIOR	Hours	SENIOR	Hours
Philosophy	11	Philosophy	11
Evidences of Religion....	2	Evidences of Religion....	2
Physics	5	Geology (I Term), Astronomy (II Term).....	3
Chem. Qual. Analysis....	4	Biology	3
History	2	Electives	3
—		—	
	24*		22*

*Every alternate Monday one afternoon period is devoted to Elocution.

SCHEDULE OF LECTURES AND RECITATIONS, 1914-1915, ARTS COURSE

PERIODS	SENIOR	JUNIOR		SOPHOMORE	FRESHMAN A	FRESHMAN B
A. M. 9:00 to 9:55	Philosophy			Latin	Mon. Thur. Frl. Sat. Tues.	Latin
9:55 to 10:50	Philosophy			Mon. Thur. Tues. Frl. Sat. History	Gen. Chem. Mechanics	Mon. Thur. Frl. Sat. Tues. English
11:00 to 11:55	Mon. Phil. Circle Tues. Electives Thurs. Frl. Sat. Law	Phil. Circle Tues. Thur. Frl. Sat.	Circle Phys. Lect.	Greek	Mon. Thur. Frl. Sat. Tues. Latin	Greek
P. M. 1:00 to 1:55	Mon. Thurs. Tues. Geol. or Astron. Frl. Sat.	Mon. Anal. Chem. Tues. History Thur. Evidences Frl. Sat.	Latin	Mon. Tues. Sat. Thur. Evidences Frl. English	Mon. History Tues. Thur. Frl. Sat.	Mon. History Tues. Thur. Frl. Sat.
1:55 to 2:50	Mon. Frl. Tues. Thur. Sat.	Mon. Thur. Frl. Tues. Sat.	Anal. Chem. Evidences Biology	English History Evidences Gen. Chem.	Mon. Tues. Sat. Thur. Frl.	Mon. English Tues. Sat. Thur. Frl.

The Course in General Science

Scope of Course

This course in General Science is intended for those students who have not had the previous training in the classical languages necessary for admission to the Arts Course, or for such as wish to obtain a more specific training for later work in technological, medical or industrial science than the Arts Course affords. While it is not strictly a technical course, the subjects included represent more than half of those required in engineering courses in our leading technical schools. A student may thus make the first two years of an engineering course in connection with liberal studies. The faculty hope soon to be in a position to announce courses in civil, mechanical, electrical and chemical engineering.

At the same time, the demands of general culture will be fulfilled more completely than is usual in strictly scientific or technical education.

The Science Course differs from the Arts Course in this, that it substitutes for the requirements in Latin and Greek of the Arts Course, subjects in the Natural Sciences. Other subjects, viz.: English, History, Modern Languages, Evidences of Religion, Elocution, Philosophy and Electives of a non-scientific character are common to both courses. Philosophy, however, is reduced to a smaller compass and English is extended. The electives in Science in the Junior and Senior years will naturally be of a more advanced character in the Scientific Course than the similar electives in Science offered in the Arts Course.

Requirements of Admission to the Science Course

In general, the requirements for admission to the Course in General Science are the same as those for the Arts Course, except that Latin and Greek are not required. The course is so arranged that students offering the classical languages for admission may begin the course unhandicapped. Otherwise, in place of these languages an equivalent must be offered, as described below. The requirements are in substantial agreement with the entrance requirements of all the colleges in the State of New York which provide courses of General Science, and fully comply with the Regents' requirements for a College Entrance Diploma.

As in the Arts Course, admission may be by Examination, Regents' Diploma, or Certificate from an accredited academy, high school or normal school.

(A) ADMISSION BY EXAMINATION.

Students choosing this method of admission may take the examinations of the College Entrance Examination Board, whose certificate will be accepted as far as it is equivalent. Information regarding the places, fees, dates and conditions of such examinations may be obtained from the Secretary of the College Entrance Examination Board, Post office Sub-station 84, New York, N. Y. Students, however, wishing to take the examination at Canisius will apply to the Dean for a list of subjects of examinations and the dates on which they will be held.

(B) ADMISSION BY DIPLOMA.

The College Entrance Diploma of the Regents of the University of the State of New York will be accepted in place of the examinations.

(C) ADMISSION BY CERTIFICATE.

The certificate will be accepted provided the subjects are equivalent to, or cover, the entrance requirements. In all other subjects an examination will have to be passed.

In particular, the requirements in English, History, Mathematics, and Modern Languages, are the same as in the Arts Course. In place of Latin and Greek, the applicant may offer three of the following subjects, two of which *must* be either Physics or Chemistry, and an additional Modern Language, or its equivalent:

1. *High School Physics.* To satisfy this requirement, the student must have done work in Physics equivalent to four or five periods a week for one year. Part of this work shall have consisted of laboratory practice, during which at least twenty-five well selected experiments shall have been performed. Certified laboratory note-books must be submitted.
2. *High School Chemistry.* This requirement is similar in scope and extent of time required to High School Physics. Laboratory note-books must be submitted.
3. *Additional Modern Language.*
 1. Grammar.
 2. Translation.
 3. Grammatical Analysis.
4. *Elementary Biology.*
 - (a) Courses of four or five periods a week in Botany, Zoology or Physiology, or
 - (b) Courses of two or three hours a week in any two of these.

5. *Other Elementary Sciences.*

Astronomy.

Physical Geography.

Geology.

Extent of requirements as in Biology.

Equivalents will be accepted. Prospective applicants are requested to submit to the Dean of the College a list of the subjects they can offer for entrance.

Outline of the Course

FRESHMAN CLASS.

1. Mathematics: (Four hours a week.)
I Term. Plane Trigonometry; Surveying, theoretical and practical.
II Term. Spherical Trigonometry, with applications to Navigation, etc.
2. Chemistry: General Chemistry (Eight hours a week; three lectures, and five periods laboratory practice.)
3. Physics: Mechanics—(Four hours a week, two lecture and two laboratory periods.)
4. English: (Three hours a week.)
5. History: (Two hours a week.)
6. Modern Languages: (Two hours a week.)
7. *Evidences of Religion: (Two hours a week.)
* Not of obligation for non-Catholic students.
8. Elocution (included in English): (One-half hour a week.)

Special students may substitute Biology or other electives from the Junior and Senior Years for equivalent obligatory studies mentioned here. Mechanical Drawing and Descriptive Geometry may be taken by engineering students as additional studies.

SOPHOMORE.

1. Physics: (Nine hours a week; five lectures and four laboratory periods.)
2. Chemistry—Qualitative Analysis: (Five hours a week; one lecture and four laboratory periods.)
3. Mathematics: (Four hours a week.)
I Term: Analytical Geometry.
II Term: Elementary Calculus.
4. English: (Three hours a week.)
5. History: (Two hours a week.)
6. Evidences of Religion: (Two hours a week.)
7. Elocution (included in English. One-half hour a week.)

JUNIOR.

1. Philosophy: (Five hours a week.)
2. English: (Three hours a week.)
3. Geology—I Term: (Two and one-half hours a week.)
4. Astronomy—II Term: (Two and one-half hours a week.)
5. History: (Two hours a week.)
6. Evidences of Religion: (Two hours a week.)
7. Elocution: (One-half hour a week.)
8. Electives: (Eight hours a week.) To be chosen from the following subjects: Quantitative Analytical Chemistry, Organic Chemistry, Physical Chemistry, Biology, Advanced Physics, Advanced Calculus, Descriptive Geometry, Mechanical Drawing.

SENIOR.

1. Philosophy: (Five hours a week.)
2. Evidences of Religion: (Two hours a week.)
3. Elocution: (One-half hour a week.)
4. Electives: (Twelve and one-half hours a week.) Continuation of the electives begun in Junior Year, or assumption of other subjects from same list. A selection may be made also from these additional subjects: Pedagogy, Economics, Elementary Law, Constitutional History, Organic Analysis, Technical Analysis.

In all cases the number of laboratory hours given is a minimum. By suitable choice of electives in Junior and Senior years a student may specialize in Physics, Chemistry, or Biology, thereby gaining his degree of B. S., with Physics, Chemistry or Biology as his major study. Ample facilities are afforded those who wish to qualify themselves for the profession of Analytical Chemist, in either general or industrial fields.



WEEKLY SUMMARY—SCIENCE COURSE

FRESHMAN	Hours	SOPHOMORE	Hours
Mathematics (Trigonometry, Plane and Spherical Surveying and Navigation)	4	Mathematics (Anal. Geometry and Calculus)	4
Chemistry	8	Physics	9
Physics	4	Chemistry	5
English (incl. Elocution)	3	English (incl. Elocution)	3
History	2	History	2
Modern Languages	2	Evidences	2
Evidences	2		
	—		—
	25		25

JUNIOR	Hours	SENIOR	Hours
Philosophy	6	Philosophy	6
English	3	Evidences	2
Geology or Astronomy	3	Electives	13
History	2		
Evidences	2		
Electives	8		
	—		—
	24*		21*

* Every alternate Monday one afternoon period is devoted to Elocution.



• • • •

Pre-Medical Course

For Special Students.

Outline of Course

FRESHMAN YEAR.

1. Chemistry: (Five hours a week.)
2. Physics: (Six hours a week.)
3. Biology: (Five hours a week.)
4. English: (Three hours a week.)
5. History: (Two hours a week.)
6. Modern Languages: (Two hours a week.)
7. Evidences of Religion: (Two hours a week.)
8. Elocution: (included in English; one-half hour a week.)

SOPHOMORE YEAR.

1. Chemistry: (Five hours a week.)
 - I Term. Organic Chemistry.
 - II Term. Quantitative Analysis.
2. Advanced Physics with precision of measurements (Five hours a week.)
3. Biology, Advanced: (Six hours a week.)
4. English: (Three hours a week.)
5. History: (Two hours a week.)
6. Modern Languages: (Two hours a week.)
7. Evidences of Religion: (Two hours a week.)
8. Elocution: (included in English; one-half hour a week.)

The outline for the Sophomore year in this course is only suggestive. A considerable latitude in choice of subjects will be allowed the student, depending on the medical school he purposes to enter.

Weekly Summary

PRE-MEDICAL COURSE FOR SPECIAL STUDENTS.

Freshman	Hours	Sophomore	Hours
Chemistry	5	Advanced Chemistry	5
Physics	6	Advanced Physics	5
Biology	5	Advanced Biology	6
English, with half hour		English, with half hour	
Elocution	3	Elocution	3
History	2	History	2
Modern Language	2	Modern Language	2
Evidences	2	Evidences	2

Elective Courses

I. CHEMISTRY:

1. **Organic Chemistry**—This course is arranged chiefly for those who intend to take up the study of medicine after they have finished their College course. In it the student is given an opportunity of acquiring such a knowledge of elementary organic chemistry as is now required for admission by several medical schools.
2. **Quantitative Analytical Chemistry**—Text-book, Talbot, *Quantitative Analysis*.
3. **Physical Chemistry**—Experimental determination of chemical equivalents, employing both the volumetric and gravimetric methods. Determination of vapor densities according to the methods of Dumas and Victor Meyer. Determination of formulas of simple salts.
4. **Organic Analysis**—Text-book: Sherman, *Organic Analysis*.
5. **Technical Analysis**—A short course in industrial methods of analysis, both organic and inorganic.

II. PHYSICS:

Precision of measurements; Advanced physics. This course in experimental physics is intended for those who wish to extend their knowledge of physics, and especially of experimental methods, and is arranged with a view to meeting the requirements of technical schools. The course is based mainly on Miller's *Laboratory Physics* and comprises work in mechanics, heat, sound, light and electricity. Special stress is laid on accuracy of observation and on the proper reduction of experimental data.

III. ADVANCED BIOLOGY:

A study of Karyokinesis of the plant and animal cell. Cell-division of unicellular organisms. Growth and development of *Protococcus*, *Saccharomyces*. Detection and destruction of pathogenic schizomycetes in food, milk, water, etc.

Comparative structure of skeletons of different classes of vertebrates and dissection of the mammals—cat, guinea-pig, etc. A comparative study

of the development of vertebrates, including embryology of the chick.

Histology of protoplasm, tissue and muscle. Physiology of muscle and nerve-tissue. A study of the alimentary tract and the fluids employed in digestion.

A study of the circulation of the blood and analysis of its constituents.

IV. MATHEMATICS:

Advanced Calculus.

V. MECHANICAL DRAWING; DESCRIPTIVE GEOMETRY:

The following course is a most desirable one for B. S. students and those preparing for Technical Institutes. It embraces a knowledge of the elements of mechanical drawing and descriptive geometry and their practical application. The course requires three years for its completion. The subjects treated are:

I Year: Use and Care of Instruments, Applied Geometry, Lettering, Orthographical Projection, Developed Surfaces and Intersections, Pictorial Representation, Working Drawings.

II Year: Descriptive Geometry, Technical Sketching, Map and Topographical Drawing, Duplication and Drawing for Reproduction, Notes on Commercial Practice, Elements of Machine Design.

III Year: Principles of Applied Mechanics, Structural Drawing, Drafting-room Practice in Plane and Topographical Surveying.

Text and Reference Books: Engineering Drawing, French; Descriptive Geometry. Blessing and Darling; Plane Surveying, Phillips; Mechanism, Dunkerley.

VI. HISTORY OF PHILOSOPHY:

1. Ancient Philosophy:

(a) Oriental Philosophy.

(b) Graeco-Roman Philosophy: Socrates, Plato, Aristotle, Cicero.

(c) Graeco-Oriental Philosophy.

2. Philosophy of the Christian Era:

(a) Patristic Philosophy: Its rise, culmination and decline; St. Athanasius, Basil the Great, Gregory of Nazianzen. Gregory of Nyssa. St. Ambrose, St. Jerome, St. Augustine.

(b) Philosophy of the Middle Ages: Rise, culmina-

tion and decline of Scholastic Philosophy. Albert the Great, Thomas Aquinas, Duns Scotus, Nominalists, Realists.

- (c) Modern Philosophy: Regeneration of Scholastic Philosophy. Suarez. Rise and evolution of modern systems. Descartes, Hobbes. The Philosophy of England: Empiricism, Naturalism, Scepticism, Positivism, Utilitarianism, Evolution. France: Occasionalism, Ontologism, Pantheism, Sensualism, Materialism, Sociologists, Positivists, Traditionalism. Germany: Leibnitz, Von Wolff, Kant, the Idealists: Fichte, Schelling, Hegel; Realism, Modern Materialism. The Scottish Schools. Philosophy of Spain, Italy.
- (d) Contemporary Philosophy: Germany, France, England, Italy, America; Neo-Scholasticism; Pragmatism; Philosophical errors of Modernism, etc.

VII. SOCIAL SCIENCE:

Social ideals, past and present. Social failures. Pauperism. Criminology. Charitable organizations. Labor insurance. Charitable institutions under guidance of the Church. Church and labor. Catholic benevolent associations.

VIII. ECONOMICS:

Principles of Political Economy. (Cathrein's *Philosophia Moralis*, and Burke's *Political Economy*.) Labor organizations. Capitalists. Tariff, wages, free trade. The social question, the labor problem, trade-unionism and single tax are treated in full.

IX. ELEMENTARY LAW:

Law in general, its nature and origin. The moral obligation of law, its source and limitations. The legislative power, its subject and exercise.

The Civil Law of Rome. Common Law and Equity in England. Methods and procedure. Their modifications in the United States. The code. Civil and criminal law.

The right of private property. Estates in real property. Real estates in real property and personal estates in real property. Title to estates in real property. Estates in personal property. Title by gift and by contract. Agency. Partnership.

Private Wrongs—Proceedings in an action at law. Evidence. Equitable remedies. Crimes. Degrees of Crime. Relation of criminal actor to criminal

act. Criminal procedure. Nature and function of a State. Subjects and their relations to the State. Text-book: Robinson, *Elementary Law*.

X. CONSTITUTIONAL HISTORY:

Greek and Roman Constitutions. Development of the English Constitution. Origin and development of various European constitutions; comparison with the Constitution of the United States.

XI. PEDAGOGY:

This elective, offered primarily but not exclusively, to students who wish to qualify themselves for the N. Y. State Regents' College Graduate Certificate, is so arranged that the students electing Pedagogy during their Senior and Junior years may take those subjects in education not already included in the prescribed courses of philosophy, so as to fulfill the Regents' requirements for the above mentioned certificate. The minimum course of study approved by the Regents for the fulfillment of said requirements is: Psychology—general and educational, 90 hours; History of education and principles of education, 90 hours; Methods of teaching, 60 hours; Observation, 20 hours. As a thorough course in general psychology is required for all Baccalaureate degrees given in this college, the elective course in pedagogy is arranged to provide the additional subjects of the Regents' requirements. In accord with the educational traditions of the Society of Jesus, in the course of Pedagogy at Canisius, especial emphasis will be placed upon the following psychological aspects of education: Training of the imagination; Formation of judgment and of character; Moral training. The course is distributed through the Junior and Senior years. Opportunities for observation will be provided in Canisius High School and in any of the parochial and public schools of the city that the students may choose. Further inquiries regarding this course should be made of the Dean. The course is registered by the Regents as fulfilling the conditions for an approved department of education.

XII. ENGLISH:

A comparative study of Greek, Latin and English poetry. The influence of the Greek and Latin classics on English Literature.

Italian influence on the age of Chaucer; French influence on the age of Queen Anne.

Development of the English language and literature. A comparative study of modern literature. American literature.

XIII. CHURCH HISTORY:

Important questions bearing upon dogma: Pope Liberius. Pope Honorius. Pseudo-popes and Antipopes. Inquisition. Savonarola. St. Bartholomew's Day. Galileo Galilei. The Reformers. Translations of the Bible. Concordats. The Temporal Power of the Pope. The State and the Church. The Church and civil liberty. The Church and the slave trade. Missionary work, Catholic and Protestant Missions.

DEGREES AND POSTGRADUATE COURSES

The degree of Bachelor of Arts is conferred at the completion of the four years of College on those who pass satisfactory examinations in all the obligatory branches of the Arts Course and the degree of Bachelor of Science on successful students of the Science Course.

Both these degrees are registered by the Regents of the University of New York.

Students holding the degree of A. B. or B. S. from this College or other institutions of satisfactory standing may undertake postgraduate studies under the direction of the Dean and the heads of the various departments.

Elective studies which have not been taken in the undergraduate years, may be chosen for postgraduate work; but in this case candidates will be obliged to pursue them in a more extended form. Other courses will be assigned as circumstances may require or permit.

In the Department of Arts, some branch of Philosophy must be taken by every candidate for a higher degree.

For the Master's degree in Arts or Science, at least one year of graduate work is required. It must be understood that only students of exceptional ability and previous training will be able to finish the work in one year.

For the degree of Ph. D. at least two years are required.

Examinations must be passed in every branch counted for a degree, and a thesis must be submitted showing original work. The examinations in all branches will be written and in certain branches oral examination will also be required, as determined by the Professors and the Dean.

Work of satisfactory amount and quality performed in other institutions may be counted for the degree. But the last year of study must in every case be passed in regular attendance upon the courses in this department.

NEEDS OF THE COLLEGE

The endowment of the College in buildings, educational apparatus and general equipment is of great value. A small productive fund also exists consisting of foundations made from time to time for scholarships. This, however, is as yet comparatively trifling in amount. The ordinary source of income is the fees of the students. A debt of very considerable proportions has been incurred by the erection of the new and splendid College building. The existence and work of the institution would be precarious or impossible were it not for the fact that the President and the other priests, scholastics, and coadjutor brothers of the Society of Jesus give their services without compensation.

It is of the utmost importance that the debt should be rapidly diminished and that the College should be placed in a position to erect the wings originally planned for the structure and to undertake other greatly needed improvements.

For these purposes and for the general development of the College, the President appeals to all graduates, former students, and friends of Catholic education for donations and legacies. The names of donors will be attached to buildings erected or funds established by them.

The most pressing present needs are as follows:

1. The liquidation of the debt on the new College building.
2. The erection of the two wings. Estimated cost about \$100,000 each.
3. A central extension to the College building to comprise Chapel, Theatre and Library—\$150,000.

4. A Gymnasium building—\$100,000.
5. A fund for the purchase of books for the Faculty and Students' Libraries—\$50,000, or any lesser amount as contribution toward the whole. Gifts of books will also be greatly appreciated.
6. A grand-stand, bleachers, and other equipment for the Athletic Field, \$8,000.
7. A fund for general expenses. This may be created by the foundation of chairs and scholarships, either perpetual or annual. A perpetual scholarship requires \$1,500; an annual scholarship \$60.

The legal title of the College, which should be accurately expressed in all legacies and deeds of donation is, "The Canisius College of Buffalo, New York."

ACKNOWLEDGEMENTS

The President and Faculty wish to express their grateful acknowledgments to the following benefactors for their kind donations:

All the Patrons of the College Play.

All the Donors of Medals, as specified in the Commencement Exercises.

The Canisius Sodality, one Annual Scholarship.

The Buffalo Volksfreund Printing Co., one Annual Scholarship.

Alumni Association of the Massachusetts Institute of Technology, Buffalo Section, donation to the Chemistry Department.

Mrs. A. V., altar laces.

Franciscan Sisters, Pine Street, altar linens and laces.

Franciscan Sisters, St. Ann's, altar linens and laces.

The Misses Schwier, Artificial Flowers.

Maurice L. Ahern, A. M. Drawing Implements, etc.

Mr. Joseph Armbruster, Geographical Globe.

Mr. Joseph Shorp, Specimens for the Biological Collection.

Mr. Charles P. Dewes, Mineralogical Specimens, Coins and Spanish paper money.

John A. Curtin, A. M., De Forest Audion, for wireless telegraph apparatus.

Subscribers toward the erection of the iron fence of the Athletic Field:

Henry Breitweiser	\$100.00
Callan Brothers	25.00
George H. Stagg	25.00
George Nalbach	25.00
R. E. Burger	25.00
Mrs. Julia Berlin	15.00
J. E. Schuesler	10.00
Otto J. Ludwig	10.00
George Barrett	10.00
Francis M. O'Gorman, M. D.	10.00
Mrs. J. Kohlbrenner	5.00
E. J. Brown	5.00
Charles Supple	5.00
James Hanavan	5.00
	<hr/>
	\$275.00

TO THE LIBRARY.

The Canisius Alumni Sodality.....	\$200.00
Rev. F. J. Naughton, Hornell, N. Y.....	100.00
Rev. M. C. O'Shea	10.00
Rev. Thomas J. Walsh, D.D., LL. D.....	5.00
Mr. Charles P. Dewes	25.00
Miss Margaret Kane	10.00
Mrs. M. Josephine Pfohl.....	10.00
Miss Minnie L. Trotter	10.00
Mr. Thomas L. Holling	5.00
Miss Margaret Ryan	5.00
Miss Mary E. Pfann.....	5.00
Mr. F. X. Wanenmacher	5.00
Mr. Henry R. Gower, Washington, D. C.....	3.00

Rev. George A. Pettit, S. J., Rector of the Novitiate, St. Andrews-on-the-Hudson, two hundred volumes and a large number of pamphlets.

Rev. Michael Earls, S. J., Worcester, Mass., 4 volumes.

The Author, Our Palace Wonderful, by Rev. F. A. Houck, Toledo, O., 1 volume.

Rev. John E. Mullett, 7 volumes.

Rev. Dennis Reilly, Geschichte des Deutschen Volkes, Jannsen, 3 volumes.

Rev. Charles Schaus, Jesuit Education, Schwickerath, 1 volume.

Mrs. Charles E. Gross, N. Y., 6 volumes.

Rev. Francis A. Wanenmacher, Monographs on Great Artists, 6 volumes.

Maurice L. Ahern, A. M., 58 volumes.
Mr. Stuart P. West, N. Y., 1 volume.
The Author, "How the Lake Commerce Began," by Peter A. Porter, Niagara Falls, 1 volume.
Hon. Henry W. Hill, Report of the Champlain Tercentenary, 2 volumes.
A Friend, Leben des Heiligen Ignatius von Loyola, von W. von Nieuwenhoff, S. J., 2 volumes.
Benziger Bros., N. Y., 50 volumes.
B. Herder, St. Louis, 24 volumes.
Catholic Union Store, Library of Literary Criticism, Moulton, 7 volumes.
Mr. Charles J. Kammerer, Luther, by Grisar, 4 volumes; Catholic Who's Who, 1915, 1 vol.
Mr. George W. English, History of Dogma, Tixeront, 2 volumes.
Mrs. J. T. Gower, Washington, D. C., 6 volumes.
Robert T. Bapst, Ph. D., 3 volumes.
Judge George A. Lewis, Deutsche Verfassungsgeschichte, Waitz, 6 volumes: Legislative Manual, N. Y. State, 1 volume.
Miss Josephine Colton, 15 volumes.
Mr. John F. Manning, 250 volumes.
Miss Elizabeth Cronyn, 13 volumes.
Mr. Albert A. Bettinger, Works of Thackeray, 10 volumes.
Mr. Joseph Armbruster, Come, Holy Ghost, Lambing, 1 volume.
Mr. George Dotterweich, Modern Engineering Practice, 10 volumes.
John A. Curtin, A. M., Ophthalmology and Ophthalmoscopy, 1 volume.
Mr. H. Ehret, 10 volumes.
Mr. Lawrence Vincent, 31 volumes.
Mr. John W. Lewis, Catholic World, bound, 29 volumes.
Mrs. Dr. Edward M. Dooley, 8 volumes.
Mr. Frederick Pohle, 10 volumes.
Miss Elizabeth A. Henry, The Hand of Mercy, Alexander, 1 volume.
Miss Bride McNamara, History of Catholic Church in U. S., 4 volumes; Life of Father Hecker, 1 volume.
Mr. Leopold A. Camacho, New Brighton, S. I., N. Y., Power's Catechism; Doctrinal, Moral, Historical and Liturgical, 3 volumes.
The Misses Schwier, Defenders of Our Faith, 1 volume.
Miss Mary G. Hawks, Summit, N. J., 20 pamphlets and 64 volumes.
Mrs. Isabel Bronson, Summit, N. J., 19 volumes.

Dr. John J. Madden, Appleton's Scientific Series, limited and numbered edition, 60 volumes.

Laurence J. Collins, A. M., *The Glories of Ireland*, 1 volume.

Mr. Charles F. Hoen, 9 volumes.

Mr. Max Lubelski, 50 volumes.

Mr. Victor Valenti, 8 volumes.

Miss Laura I. Richards, Winchester, Mass., Collection of several hundred engraved portraits of famous men; also 5 volumes.

Mr. William D. Richards, Winchester, Mass., *American Catholic Historical Magazine*, 1914-1915.

Mr. James F. Dee, *Butler's Lives of the Saints*, 2 volumes.

Mr. and Mrs. Cabot Ward, N. Y., two pamphlets and 14 volumes.

Mrs. Catherine Feist, 3 volumes.

Mr. Louis Schutt, 1 volume.

Mrs. R. Walter Mack, 11 volumes.

Hon. Charles B. Smith, M. C., *Hinds' Precedents of the House of Representatives*, 8 volumes, and many other government publications.

Mr. Ferdinand Klaus, 13 volumes.

Sister Emerentia, *Le Coulteux Deaf Mute Institute*, bound volume of *The Jesuit*, 1 volume.

George W. Wanamaker, Senior Class, Canisius College, 1 volume.

Francis E. Kerwin, Senior Class, Canisius College, 4 volumes.

Walter J. Abel and Francis E. Kerwin, Senior Class, Canisius College, 1 volume.

Raymond E. Dee, Senior Class, Canisius College, 1 volume

Angelo Testa, Junior Class, Canisius College, 4 volumes.

Robert Emmett Carroll, Sophomore Class, Canisius College, 1 volume.

Eugene L. Klocke, Freshman Class, Canisius College, 5 volumes.

Joseph P. McDonald, Freshman Class, Canisius College, 1 volume.

Unknown Benefactor, *Roman Breviary in German*, 4 vols.; *Great Catholics of Church and State*, 1 volume.

The Author, *Religion and Drink*, by Rev. E. A. Wasson, 1 volume.

The Smithsonian Institution, the U. S. Bureau of Education, the U. S. Geological Survey, the N. Y. State Educational Department, the Carnegie Foundation for Universal Peace, and other government departments and educational institutions, reports, monographs, bulletins, catalogues, etc., etc.

CATALOGUE OF STUDENTS ARRANGED BY CLASSES

POSTGRADUATE

Candidate for Degree of Doctor of Philosophy.

Curtin, John Aloysius, A. B., 1900; A. M., 1909; 687 Washington Street, City.

Courses: Seismology; special investigations in earth tides, terrestrial magnetism and atmospheric electricity and their dependence upon solar and lunar conditions.

Candidates for Degree of Master of Arts

Kionke, Ernest Paul, A. B., 1914; Canisius College, City.

Kless, Victor Joseph, A. B., 1911; 47 Mt. Vernon Pkwy., City.

Scherer, Jerome Arthur, A. B., 1913; 133 Hedley St., City.

Wylegala, Victor Bernard, A. B., 1913; 30 Lathrop St., City.

Courses: Pedagogy; English Literature of the Nineteenth Century; Advanced Chemistry.

SENIOR

Abel, Walter John.....	51 Northampton St.....	City
Barth, Charles George.....	142 Farmer St.....	City
Cotter, Stephen Vincent.....	94 Richfield Ave.....	City
Culmann, Ernest Julian.....	1456 Delaware Ave.....	City
Dee, Raymond Edward	798 Elmwood Ave.....	City
Harrington, Denis Cyril.....	458 Fillmore Ave.....	City
Helminiak, Mesco Joseph.....	252 Walden Ave.....	City
Hoen, Leo Edward.....	219 Gorton St.....	City
Huebschwerlen, Arthur Stuart.	581 Oak St.....	City
Kerwin, Francis Edward.....	369 Goodyear Ave.	City
Kiefer, Edmund Joseph.....	42 Johnson St.....	City
Lyons, Edward James.....	334 Trenton Ave.....	City
Martina, Ignatius Charles.....	33 Carolina St.....	City
Meegan, William Harry.....	343 Hoyt St.....	City
Nigro, Bartholomew Anthony.	482 Seventh St.....	City
Ryan, Francis Patrick.....	15 Elsie Place.....	City
Sullivan, Michael Thomas.....	135 West Eagle St.....	City
Wanamaker, George William..	203 Leroy Ave.....	City

SPECIAL STUDENT

Kelly, John Joseph.....	180 Forest Ave.....	City
-------------------------	---------------------	------

JUNIOR

Biesinger, Charles Joseph.....	470 Elm St.....	City
Canavan, Edward Vincent.....	1306 Niagara St., N. Falls, N.Y.	
Christman, John Henry.....	723 Washington St.....	City
Hetzelt, Laurence Joseph.....	222 Cedar St.....	City
Janik, Francis Joseph.....	506 Peckham St.....	City
Lutz, William Joseph.....	Forks	N. Y.
Lynch, John Laurence.....	.....	Andover
Miller, Herbert Peter.....	310 Ideal St.....	City
Ronan, George John.....	432 Massachusetts Ave...	City
Testa, Angelo Fiorello.....	474 2nd St.. Niag. Falls, N.Y.	
Wozniak, Thaddeus R.....	293 Lovejoy St.....	City

SPECIAL STUDENT.

Gmerck, Valentine Francis.....	296 Sobieski St.....	City
--------------------------------	----------------------	------

JUNIOR—SCIENCE.

Conlin, Henry Eugene.....	South Byron.....	N. Y.
Schwing, Harold James.....	22 Holland Place.....	City

SOPHOMORE—ARTS

Biniszkiewicz, Michael Francis.	177 Lovejoy St.....	City
Brown, Harold Francis R.....	300 Front Ave.....	City
Cantlin, Eugene Joseph.....	227 Gold St.....	City
Cogan, Victor William.....	32 Red Jacket Pkwy....	City
Desmond, Charles Stewart.....	103 Plymouth Ave.....	City
Donnelly, Harold Joseph.....	372 So. Park Ave.....	City
Fronczak, Joseph Eustace.....	1390 Broadway	City
Higgins, Edmund William.....	20 Ganson St.....	City
Jankowski, Alexander	62 Germain St.....	City
Kelly, John Joseph.....	127 Burgard Pl.....	City
Kuch, Raymond George.....	27 Oneida St.....	City
McDonough, Leo Martin.....	17 East Oakwood Pl....	City
Manning, John Francis.....	363 West Ave.....	City
Manzella, Louis Girard.....	334 Swan St.....	City
Morgana, Dante James.....	477 Seventh St.....	City
Ring, Timothy Joseph.....	214 Maurice St.....	City
Rutecki, Paul John.....	208 Townsend St.....	City
Schaefer, Norbert Bernard....	230 Emslie St.....	City
Sciarrino, Stanley Vincent.....	127 Front Ave.....	City
Speidel, Linus C.....	1098 Sycamore St.....	City
Szczepaniak, John Joseph.....	223 Sycamore St.....	City
Tronolone, Pascal John.....	23 State St.....	City

SOPHOMORE—SCIENCE

Beaser, Clarence Eugene.....	16 Erie St...Lancaster, N.Y.	
Carroll, Robert Emmett.....	54 Scott St....Hornell, N.Y.	

Cavagnaro, Richard Victor.....	205 Winslow Ave.....	City
McMullen, John Francis.....	19 Weyand St.....	City
Mullen, John Colomba.....	111 Miller St. Tonawanda, N.Y.	
Nash, Francis O'Donnell.....	93 Ryan St.....	City
Nugent, John Edward.....	190 East Utica St.....	City

FRESHMAN—ARTS, Section A

Burke, Joseph J.....	213 Maurice St.....	City
Canty, George J.....	266 Lafayette Ave.....	City
Carr, Virgil Paul.....	152 Oxford Ave.....	City
Cotter, John Joseph.....	151 Alabama St.....	City
Crann, John Martin.....	348 Porter Ave.....	City
Delaney, Richard Alexander...	178 Lafayette Ave.....	City
Dzimian, Ladislaus Florian....	147 Stanislaus St.....	City
Ebner, Martin H.....	72 Laurel St.....	City
Gehring, Joseph Vincent.....	348 Porter Ave.....	City
Kasprzyk, Joseph Albert.....	14 Loepere St.....	City
Kerrigan, John William.....	348 Porter Ave.....	City
Leuer, Leon Joseph.....	21 Welker St.....	City
Miller, Michael Joseph.....	655 Broadway	City
O'Rourke, Cornelius Edward...	554 Ellicott St.....	City
Pfalzer, Francis Anthony.....	29 Dart St.....	City
Powers, Francis Victor.....	112 Tenth St.....	City
Rahill, Dionysius Timothy.....	139 Seventh St.....	City
Riley, James Henry.....	348 Porter Ave.....	City
Robbins, William Amos.....	348 Porter Ave.....	City
Sammon, John Joseph.....	348 Porter Ave.....	City
Schifferli, Paul Philip.....	56 Walden Ave.....	City
Sheehan, William Francis.....	27 Como Ave.....	City
Smith, John Patrick.....	394 Seventh St.....	City
Treble, Hector William.....	187 Hodge St.....	City
Wallace, Richard Christopher..	348 Porter Ave.....	City

SPECIAL STUDENTS.

Kolb, Eugene J.....	18 Camp St.....	City
Murphy, Robert Cletus.....	22 Petrie St. Little Falls, N.Y.	

FRESHMAN—ARTS, Section B

Bach, Joseph Anthony.....	76 Livingston St...Lancaster	
Barry, Charles Francis.....	348 Porter Ave.....	City
Bifarella, Anthony Peter.....	18 Erie St.....Le Roy, N.Y.	
Burns, Arthur James.....	348 Porter Ave.....	City
Cullen, Matthew Arthur.....	119 Spaulding St.....	City
Czwojdak, Anthony Aloysius..	66 Barnard St.....	City
Donnelly, John Joseph.....	348 Porter Ave.....	City
Ehrenreich, Cyril Peter.....	295 Johnson St.....	City

Growney, Francis Aloysius.....	123	Summit St..Batavia, N.Y.
Harris, John Emmett.....	348	Porter Ave.....City
Keller, Charles John.....	288	Dearborn St.....City
Kessel, Raymond Gregory.....	16	Southampton St.....City
Killeen, Kevin	334	West Delavan Ave....City
Kreciszewski, Ladislaus Joseph.	115	Kosciuszko St.....City
Lutz, Michael Peter.....		Forks .....N. Y.
McDonald, Joseph Patrick.....	487	Victoria St..Lackawanna
Maciejewski, Ambrose August.	1265	Sycamore St.....City
O'Connell, William Francis.....	348	Porter Ave.....City
Pauly, Erasmus Francis.....	561	Best St.....City
Seitz, Joseph Francis.....	926	East Delavan Ave....City
Sokolowski, Vincent John.....	143	Loepere St.....City
Vacanti, Joseph Charles.....		Canisius College.....City
Zielonka, Ignatius Edward.....		Darien Center.....N. Y.

SPECIAL STUDENTS.

Bernier, Arthur John.....	348	Porter Ave.....City
Cornellier, Maxime Joseph.....	348	Porter Ave.....City
Tourangeau, Maurice Joseph...	348	Porter Ave.....City

FRESHMAN— SCIENCE

Brown William F.....	138	W.Main St.,Batavia, N.Y.
Brunner, Roy John.....	155	Riley St.....City
Conley, Howard Henry.....	130	Depew Ave.....City
Cuviello, Peter William.....	330	Terrance
Henessey, John Nicholas, Jr....	37	Dempster St.....City
Klocke, Eugene Louis.....	151	Eaton St.....City
Schumacher, John Norbert....	221	Masten St.....City
Stamp, John Louis.....	33	Kenefick Ave.....City
Valente, Donato Gregory.....	571	Elmwood Ave.....City
Weter, Paul George.....	112	Fargo Ave.....City

SPECIAL STUDENTS

McCabe, Clark Joseph.....	33	Monticello Pl.....City
Math, Francis A.....	28	Milnor St.....City
Questa, Guido John.....		Arcade .....N. Y.

PRE-MEDICAL

Collins, Stephen Aloysius.....	144	O'Connell Ave.....City
Hennessy, Arthur Deneen.....	262	Columbia Av.Depew, N.Y.
Hoenig, Matthew John.....	274	Gooding St.Lockport,N.Y.
O'Connor, James Anthony.....		Hornell .....N. Y.

ALPHABETICAL LIST OF STUDENTS

Abel, Walter John.....	Senior
Bach, Joseph Anthony.....	Freshman B
Barry, Charles Francis.....	Freshman B
Barth, Charles George.....	Senior
Beaser, Clarence Eugene.....	Sophomore, Sc.
Bernier, Arthur John.....	Freshman B, Special
Biesinger, Charles Joseph.....	Junior
Bifarella, Anthony Peter.....	Freshman B
Biniskiewicz, Michael Francis.....	Sophomore
Brown, Harold Francis R.....	Sophomore
Brown, William F.....	Freshman, Sc.
Brunner, Roy John.....	Freshman, Sc.
Burke, Joseph J.....	Freshman A
Burns, Arthur James.....	Freshman B
Canavan, Edward Vincent.....	Junior
Cantlin, Eugene Joseph.....	Sophomore
Canty, George J.....	Freshman A
Carr, Virgil Paul.....	Freshman A
Carroll, Robert Emmett.....	Sophomore, Sc.
Cavagnaro, Richard Victor.....	Sophomore, Sc.
Christman, John Henry.....	Junior
Cogan, Victor William.....	Sophomore
Collins, Stephen Aloysius.....	Pre-Medical
Conley, Howard Henry.....	Freshman, Sc.
Conlin, Henry Eugene.....	Junior
Cornellier, Maxime Joseph.....	Freshman B, Special
Cotter, John J.....	Freshman A
Cotter, Stephen Vincent.....	Senior
Crann, John Martin.....	Freshman A
Cullen, Matthew Arthur.....	Freshman B
Culmann, Ernest Julian.....	Senior
Curtin, John Aloysius, A. M.....	Postgraduate
Cuviello, Peter William.....	Freshman, Sc.
Czwojdak, Anthony Aloysius.....	Freshman B
Dee, Raymond Edward.....	Senior
Delaney, Richard Alexander.....	Freshman A
Desmond, Charles Stewart.....	Sophomore
Donnelly, Harold Joseph.....	Sophomore

Donnelly, John Joseph.....	Freshman B
Dzimian, <u>Ladislaus</u> Florian.....	Freshman A
Ebner, Martin Henry.....	Freshman, Special
Ehrenreich, Cyril Peter.....	Freshman B
Fronczak, Joseph Eustace.....	Sophomore
Gehring, Joseph Vincent.....	Freshman A
Gmerck, Valentine Francis.....	Junior, Special
Grownay, Francis <u>Aloysius</u>	Freshman B
Harrington, Denis Cyril.....	Senior
Harris, John Emmett.....	Freshman B
Helminiak, Mesco Joseph.....	Senior
Henesey, John Nicholas, Jr.....	Freshman, Sc.
Hennessey, Arthur Deneen.....	Pre-Medical
Hetzelt, Laurence Joseph.....	Junior
Higgins, Edmund William.....	Sophomore
Hoen, Leo Edward.....	Senior
Hoening, Matthew John.....	Pre-Medical
Huebschwerlen, Arthur Stuart.....	Senior
Janik, Francis Joseph.....	Junior
Jankowski, Alexander.....	Sophomore
Kasprzyk, Joseph Albert.....	Freshman A
Keller, Charles John.....	Freshman B
Kelly, John Joseph.....	Senior, Special
Kelly, John Joseph.....	Sophomore
Kerrigan, John William.....	Freshman A
Kerwin, Francis Edward.....	Senior
Kessel, Raymond Gregory.....	Freshman B
Kiefer, Edmund Joseph.....	Senior
Killeen, Kevin.....	Freshman B
Kionke, Ernest Paul, A. B.....	Postgraduate
Kless, Victor Joseph, A. B.....	Postgraduate
Klocke, Eugene Louis.....	Freshman, Sc.
Kolb, Eugene J.....	Freshman A
Kreciszewski, <u>Ladislaus</u> Joseph.....	Freshman B
Kuch, Raymond George.....	Sophomore
Leuer, Leon Joseph.....	Freshman A
Lutz, Michael Peter.....	Freshman B
Lutz, William Joseph.....	Junior

Lynch, John Lawrence.....	Junior
Lyons, Edward James.....	Senior
McCabe, Charles Joseph.....	Special Stud.
McDonald, Joseph Patrick.....	Freshman B
McDonough, Leo Martin.....	Sophomore
McMullen, John Francis.....	Sophomore, Sc.
Maciejewski, Ambrose Augustine.....	Freshman B
Manning, John Francis.....	Sophomore
Manzella, Louis Girard.....	Sophomore
Martina, Ignatius Charles.....	Senior
Math, Francis A.....	Special Stud.
Meegan, William Harry.....	Senior
Miller, Herbert Peter.....	Junior
Miller, Michael Joseph.....	Freshman A
Morgana, Dante James.....	Sophomore
Mullen, John Columba.....	Sophomore, Sc.
Murphy, Robert Cletus.....	Freshman A, Special
Nash, Francis O'Donnell.....	Sophomore, Sc.
Nigro, Bartholomew Anthony.....	Senior
Nugent, John Edward.....	Sophomore, Sc.
O'Connell, William Francis.....	Freshman B
O'Connor, James Anthony.....	Pre-Medical
O'Rourke, Cornelius Edward.....	Freshman A
Pauly, Erasmus Francis.....	Freshman B
Pfalzer, Francis Anthony.....	Freshman A
Powers; Francis Victor.....	Freshman A
Questa, Guido John.....	Special Stud.
Rahill, Dionysius Timothy.....	Freshman A
Riley, James Henry.....	Freshman A
Ring, Timothy Joseph.....	Freshman A
Robbins, William Amos.....	Freshman A
Ronan, George John.....	Junior
Rutecki, Paul John.....	Sophomore
Ryan, Francis Patrick.....	Senior
Sammon, John Joseph.....	Freshman A
Schaefer, Norbert Bernard.....	Sophomore
Scherer, Jerome Arthur, A. B.....	Postgraduate

Schifferli, Paul Philip.....	Freshman A
Schumacher, John Norbert.....	Freshman, Sc.
Schwing, Harold James.....	Junior
Sciarrino, Stanley Vincent.....	Sophomore
Seitz, Joseph Francis.....	Freshman B
Sheehan, William Francis.....	Freshman A
Smith, John Patrick.....	Freshman A
Sokolowski, Vincent John.....	Freshman B
Speidel, Linus C.....	Sophomore
Stamp, John Louis.....	Freshman, Sc.
Sullivan, Michael Thomas.....	Senior
Szczepaniak, John Joseph.....	Sophomore
Testa, Angelo Fiorello.....	Junior
Touranageau, Maurice Joseph.....	Freshman B, Special
Treble, Hector William.....	Freshman A
Tronolone, Pascal John.....	Sophomore
Vacanti, Joseph Charles.....	Freshman B
Valente, Donato Gregory.....	Freshman, Sc.
Wallace, Richard Christopher.....	Freshman A
Wanamaker, George William.....	Senior
Weter, Paul George.....	Freshman, Sc.
Wozniak, Thaddeus R.....	Junior
Wylegala, Victor Bernard, A. B.....	Postgraduate
Zielonka, Ignatius Edward.....	Freshman B



College Organizations

Sodality of the Blessed Virgin Mary

Under the Title of the Purification.

Affiliated to the Prima Primaria of the Roman College, January 1, 1896

Director: *Rev. Paul V. Rouke, S. J.*

OFFICERS:

Prefect, Leo E. Hoen; *Assistant Prefect*, Edmund J. Kiefer; *Secretary*, Angelo Testa; *Treasurer*, Charles J. Biesinger; *Sacristan*, Charles G. Barth; *Organists*, Raymond G. Kessel, Norbert B. Schaefer; *Consultors*, the Officers, with Richard V. Cavagnaro and Dante J. Morgana.

The Canisius Alumni Sodality

Founded June 7, 1896

Not to deprive the students who have left College of the great advantages of the Sodality, and to extend the same as far as possible, the Canisius Alumni Sodality was organized. It consists of members of the liberal professions, college graduates, business men and others who have availed themselves of the opportunities of a higher education. This Sodality, numbering at present about 600 members, has its monthly meetings and communions in the College Chapel. The annual retreat was attended during the past year by more than 1,000 men.

Spiritual Director, Rev. Francis X. Sindèle, S. J.; *President*, Henry J. Doll, M. D.; *First Vice-President*, Floyd S. Crego, M. D.; *Second Vice-President*, Hon. Patrick J. Keeler; *Secretary*, Frederick C. Fornes; *Treasurer*, George D. Fogarty; *Registrar*, A. G. Fries; *Master of Probationers*, J. J. Helbling; *Organist*, E. J. Hens; *Librarian*, J. N. Fornes; *Consultors*, C. H. DeShon, F. M. Hendricks, J. C. Miller, N. Scherer, V. L. Wechter, H. H. Elbers, T. L. Holling, N. I. Murphy, F. C. Schweigert, E. J. Young.

The Apostleship of Prayer, League of the Sacred Heart

Aggregated June 8, 1890

Canisius College Centre

Director: *J. Havens Richards, S. J.*

Secretary: *Charles J. Biesinger, '16.*

Promoters: Leo E. Hoen, '15; Ignatius C. Martina, '15; Charles J. Biesinger, '16; Richard V. Cavagnaro, '17; John F. Manning, '17; Pascal J. Tronolone, '17; Cyril P. Ehrenreich, '18; Eugene L. Klocke, '18; Michael J. Miller, '18; Erasmus F. Pauly, '18.

The Canisius Alumni Association

Membership in this organization is open to all graduates of Canisius College and to priests who have finished the Sophomore Class. All students of college classes at Canisius, who have afterward taken degrees at other institutions of like grade, are eligible under certain conditions.

The object of the Association is to keep up the friendship of college days, to promote higher Catholic education and to further the interests of Alma Mater and the individual members of this Association.

OFFICERS:

President, Francis E. Fronczak, '94, A. M., M. D.; *Vice-President*, Frank J. Boland, '03, A. M.; *Secretary*, James V. Walsh, '07, A. M., LL. B.; *Treasurer*, Geo. J. Eckel, '03, A. M., M. D.; *Executive Committee*, Rev. Geo. J. Krim, S. J., President of Canisius College; Lawrence J. Collins, '00, A. M., LL. B.; Robert T. Bapst, '00, A. M., Ph. D.; Joseph S. Lewis, '02, M. D.; Andrew P. Ronan, '07, A. M., LL.B.; and the Officers.

St. Thomas Philosophical Society

It is the aim of this Society, by essays and discussions, to gain a clear insight into the principles of Catholic Philosophy and to apply them to questions of the present day.

Moderator: Rev. Herman J. Maeckel, S. J.

OFFICERS:

First Term—*President*, Walter J. Abel, '15; *Vice-President*, Herbert P. Miller, '16; *Secretary*, William H. Meegan, '15; *Treasurer*, Angelo F. Testa, '16; *Exercise Committee*, H. P. Miller, Chairman; Edward J. Lyons, '15; Bart A. Nigro, '15; John L. Lynch, '16; George J. Ronan, '16.

Second Term—*President*, Walter J. Abel; *Vice-President*, John H. Christman, '16; *Secretary*, Wm. J. Lutz, '16; *Treasurer*, Angelo F. Testa; *Exercise Committee*, same as First Term.

Essays Read During the Year:

“Quest of the First Cause,” by E. J. Kiefer; “Refutation of John Stuart Mills’ Objections to the Syllogism,” by G. W. Wan-

amaker; "Essay on Life," by C. J. Biesinger; "Nature of Sense Perception," by Francis E. Kerwin; "Animal Intelligence," by Francis Janik; "Existence of the Intellect," by Walter J. Abel; "Origin of Intellectual Ideas," by Thaddeus Wozniak; "Theory of Descent," by Ignatius C. Martina; "Materialism," by A. F. Testa; "Criticism of Materialism," by J. H. Christman; "Analytic and Synthetic Methods of Argumentation," by D. C. Harrington; "Idealism," by E. J. Culmann; "Refutation of Idealism," by H. E. Conlin; "Kantian System of Philosophy," by L. E. Hoen; "Refutation of Kant's System," by W. H. Meegan; "Des Cartes," by W. J. Lutz; "Is Absolute Equality Possible?" by Lawrence Hetzelt.

Canisius College Debating Society

This Society not only affords opportunity for acquiring facility in public speaking and debate, but aims also at imparting a general knowledge of the political, economical and social questions of the day. Every speech, essay or declamation is followed by frank criticisms from the Director and the members. General discussions give ease and readiness in *extempore* speech. Meetings are held every Tuesday afternoon after class hours.

Moderator: Rev. Francis X. Sindelé, S. J.

OFFICERS:

First Term—*President*, Francis E. Kerwin; *Vice-President*, John H. Christman; *Secretary*, Dante J. Morgana; *Treasurer*, Charles S. Desmond.

Second Term—The same Officers were re-elected for the second semester.

Debates Held During the Year:

The Commission Charter.

Should a compulsory board of arbitration be established for the settlement of industrial disputes?

Should the United States Navy be further increased?

Abolition of the Monroe Doctrine.

Are Labor Unions beneficial to the people?

Is Prohibition a solution of the liquor problem?

Government control and ownership of railroads.

Recall of Judges.

Should the initiative and recall be added to the commission charter?

A few general *extempore* discussions were also held.

The Dramatic Association of Canisius College

*Honorary President: Rev. George J. Krim, S. J.,
(President of Canisius College.)
Director: R. B. Schmitt, S. J.*

OFFICERS:

*President, W. J. Abel, '15; Vice-President, H. P. Miller, '16;
Secretary, R. V. Cavagnaro, '17; Treasurer, E. J. Kiefer,
'15; Librarian, C. S. Desmond, '17; Master of Properties,
R. A. Kessel, '18; Assistant Master of Properties, D. J.
Morgana, '17; Electrician, Prof. J. A. Curtin, M. A.; Press
Committee, R. E. Dee, '15; D. C. Harrington, '15; W. H.
Meegan, '15; R. V. Cavagnaro, '17.*

Canisius College Instrumental Quintet

*Director: Rev. John G. Hacker, S. J.
Violins: Cornelius E. O'Rourke, Victor W. Cogan, Harold
Schwing; Flute: Angelo Testa; Piano: Eugene L. Klocke,
Norbert B. Schaefer.*

Canisius College Glee Club

*Director: Rev. John G. Hacker, S. J.
16 Members.*

Students' Library

*Librarian, Moorhouse I. X. Millar, S. J., Assistant Librarians,
George W. Wanamaker, Ignatius C. Martina, Charles J.
Biesinger, Timothy J. Ring.*

Athletic Association

Though the College insists above all upon thorough study as the primary object of an educational institution, yet it has always been desirous that its students should devote some time to Athletics as a necessary aid to physical development. Only one restriction is imposed, that athletics in no way interfere with the moral or intellectual well-being of the students. The encouragement of these exercises as a means of physical culture, as well as the promotion of an honorable and generous tone in their conduct, is the object of the Athletic Association.

Moderator: Rev. James T. McCormick, S. J.

OFFICERS:

*President, Edward J. Lyons, '15; Vice-President, Stephen
V. Cotter, '15; Secretary, John L. Lynch, '16; Treasurer,
Charles S. Desmond, '17; Manager of Baseball, R. Emmett,
Carroll, '17; Basketball, Wm. H. Meegan, '15; Football,
Charles S. Desmond, '17; Tennis, Walter J. Abel, '15;
Pool, Charles G. Barth, '15; Track, Francis J. Janik, '16.*

St. John Berchmans' Society

Moderator: Rev. James T. McCormick, S. J.

Master of Ceremonies: Leo E. Hoen.

Members: 6.

The Canisius Monthly

The Canisius Monthly was founded in September nineteen hundred and fourteen. It is the outgrowth of the College Annual that was known under the title of "Lest We Forget." It is a literary magazine published by the students of Canisius College at Main and Jefferson streets, Buffalo, New York. Its aim is to cultivate a high literary spirit among the students by exercising them in both critical and creative composition. It serves also as a bond between the Alumni and their Alma Mater, by chronicling their successes and recounting the happenings of college life. It is issued on the tenth of every month excepting July, August and September. The subscription price is one dollar and fifty cents a year in advance; single copies twenty cents. Remittances, literary contributions and business letters should be addressed to The Canisius Monthly, Main and Jefferson Streets, Buffalo, New York.

THE STAFF

Walter J. Abel, Editor.

BOARD OF EDITORS

Edmund J. Kiefer	Robert Emmet Carroll
George W. Wanamaker	Joseph E. Fronczak
William H. Meegan	Charles S. Desmond
Richard V. Cavagnaro	Michael J. Miller
Thaddeus R. Wozniak	Leo E. Hoen

Francis J. Janik

BUSINESS MANAGERS

Dennis C. Harrington	George W. Wanamaker
Edmund J. Kiefer	Erasmus F. Pauly
Kevin Killeen	Joseph F. Seitz

SCENES AND MUSIC

OVERTURE—"The Pearls of Gold".....	Ouvier
PART ONE.	
The Apostacy and Conversion of Telemachus.	
ACT I.	
SCENE—Street in Front of the Basilica of Milan.	
PART TWO.	
The Vocation and Death of Telemachus.	
INTERMEZZO—"Rain Drops"	Saumell
ACT I.	
SCENE 1—Outside a Wine-Shop in Rome.	
GAVOTTE—"La Jolie Bergére".....	Laurendeau
SCENE 2—A Mountain in Asia.	
MARCHE ET CORTEGE—"La Reine de Saba".....	Gounod
ACT II.	
SCENE 1—The Appian Way.	
CHORUS AND FINALE—"Xalax".....	Ramini
SCENE 2—The Gladiators' Quarters in the Coliseum.	
FINALE—"Sons of Liberty".....	Rollinson
MUSIC:	
Canisius High School Orchestra, Rev. Arthur S. Hart, S. J., Director.	
Majestic Theatre Orchestra, Mr. Albert W. Andrle, Leader.	

CAST OF CHARACTERS

PART I.

THEODOSIUS, Emperor	F. E. KIRWIN
ARCHBISHOP AMBROSE	W. H. MEEGAN
TELEMACHUS	H. P. MILLER
GLABRIO	E. J. KIEFER
STILICO	G. W. WANAMAKER
RUFINUS	L. J. HETZELT
CORNELIUS, Old-man	H. E. CONLIN
PRIEST	L. E. HOEN
DEACON	C. E. O'OURKE
PUBLIUS.....	H. BROWN
LUCIUS	D. MORGANA
QUINTUS ...	W. LYNAHAN
PAULUS	R. BRUNNER
	E. T. CULMAN
SOLDIERS	W. LUTZ
TRUMPETERS	G. RONAN
	W. BROWN
	J. FRONCZAK
	C. E. BEASER
Altar-Boys, Citizens.	

PART II.

HONORIUS, Emperor	H. J. SCHWING
TITUS	W. J. ABEL
LICINIUS	C. S. DESMOND
CARPILIO	R. E. DEE
PRUDENTIUS	J. L. STAMP
MARCUS	D. C. HARRINGTON

TIGELLINUS.....	.....	I. C. MARTINA
ABROGASTES.....	.....	M. A. CULLEN
BOTO.....	.....	J. NUGENT
GALATUS.....	.....	S. V. COTTER
SARUS.....	.....	F. J. JANIK
VITURIUS.....	.....	F. O. NASH
SERAPIS .....	.....	J. McMULLEN
STEPHANUS.....	.....	H. C. CONLEY
ANGEL .....	.....	R. V. CAVAGNARO
BOY .....	.....	G. CANTY
HERALD .....	.....	J. LYNCH

Officers, Soldiers, Citizens by the students of Canisius
College and Canisius High School.

Public Contest in Oratory

by Students of Canisius College, at Canisius High School Hall,
Tuesday Evening, March 30, 1915, at eight o'clock.

PROGRAM

PART ONE.

Overture—"La Flandre"	<i>Bouillon</i>
Introductory Address	FRANCIS E. KERWIN, '15
ORATIONS:	
"The Nation and Its Future".....	DENIS C. HARRINGTON, '15
"America's Debt"	EDMUND J. KIEFER, '15
"The Moral Influence of the Press".....	LEO E. HOEN, '15
"The Possibility of World Peace".....	GEORGE W. WANAMAKER, '15
Serenade—"Flora"	<i>von der Mehdien</i>

PART SECOND.

ORATIONS:	
"The Mexican Situation".....	WALTER J. ABEL, '15
"Modern University Teaching"	DANTE J. MORGANA, '17
"Has Christianity Failed?".....	RICHARD V. CAVAGNARO, '17
"Catholicity and America"	RAYMOND E. DEE, '15
Intermezzo—"In a Garden of Melody".....	<i>Sudds</i>
"Dance of the Honeybells"	<i>Mantia</i>

DECISION OF THE JUDGES.

Exit March—"O'Donnell Aboo"

de Ville

JUDGES: Rev. Charles Schaus, Hon. Herbert P. Bissell, Mr. William Jansen, Mr. Thomas C. Burke, Mr. Cyril F. Ginther.

Music by the Canisius High School Orchestra,
Rev. Arthur S. Hart, S. J., Director.

Public Prize Debate

of the Canisius College Debating Society, for the Canisius Alumni
Sodality Medal, at Canisius High School Hall, Washington
Street, Tuesday Evening, May 18, 1915, at eight o'clock.

PROGRAM.

Overture—"Felicia"	<i>Gruenwald</i>
CANISIUS HIGH SCHOOL ORCHESTRA	
<i>Rev. Arthur S. Hart, S. J., Director</i>	

DEBATE

Question—“Resolved, That the Policy recommended by the General Naval Board for the increase of the United States Navy should be adopted.”

Chairman: IGNATIUS CHARLES MARTINA, '15

First Affirmative.....	WALTER J. ABEL, '15
First Negative.....	WILLIAM H. MEEGAN, '15
Second Affirmative	RAYMOND E. DEE, '15
Second Negative	EDMUND J. KIEFER, '15
Third Affirmative.....	FRANCIS E. KERWIN, '15
Third Negative.....	GEORGE W. WANAMAKER, '15

RERUTTAL

Mazurka—“Love’s Spell”.....Strauss
Waltz—“Cecile”McKee

CANISIUS HIGH SCHOOL ORCHESTRA

ANNOUNCEMENT OF DECISION OF JUDGES

March—“Our Protectors”.....Ham
CANISIUS HIGH SCHOOL ORCHESTRA

JUDGES: DR. FLOYD S. CREGO, PROF. JOHN A. CURTIN, MR. CHARLES H. DESHON, HON. PATRICK J. KEELER, MR. JOHN A. KLOEPFER.

Philosophical Disputation

by the Students of the Senior and Junior Classes
at Canisius College, Buffalo, N. Y.,
Tuesday, June 1st, 1915, eleven o’clock A. M.
RT. REV. MGR. NELSON H. BAKER, Presiding

PROGRAM

PART I.

MUSIC: a) Prelude }C. Dancla
 b) Cavatina }

DISPUTATION, under the direction of REV. HERMAN J. MAECKEL, S. J.,
Professor of Philosophy

DISSERTATIONEM PRAEVIA M habebit.....Georgius Wanamaker, '15
THESES DEFENDENDAE

Scepticismus universalis, sive ut factum sive ut doctrina spectatus, absolute
et metaphysice repugnat.

Nonnulla pro veris sunt habenda sine demonstratione proprie dicta, neque
admittenda est dubitatio methodica Cartesii.

Veritates primitiae seu fundamentales sunt tres:

- 1° *factum primum*, quod est propria existentia;
- 2° *principium primum*, quod est contradictionis principium;
- 3° *conditio prima*, quae est aptitudo mentis ad veritatem assequendam.

Certitudo de corporum existentia, quam sensations gignunt, ab idealistis
everti non potest.

Sensus debitum conditionibus instructi, ab omni errore sunt immunes in re-
ferendis corporum qualitatibus, sive propriis sive communibus.

Quicumque vel aliquam certitudinem proprie dictam esse admittit, is quoque
admittere debet, iudicia immediata conscientiae per se errori obnoxia
esse non posse.

MUSIC—Idyl: Traum der Sennerin.....A. Labitzky
INSTRUMENTAL TRIO

PART II.

DISSERTATION—Kant's "Critique of Pure Reason".....*Leo E. Hoen, '15*

THESES

Qui certitudinem ullam admittit, ex absurditate scepticismi universalis compellitur ad valorem objectivum idearum agnosendum.

Falsum est id quod a Kantio affirmatur, mentem humanam per se elicere iudicia synthetica a priori.

Systema Kantii, quod Criticismum sive Idealismum transcendentalis vocant, tum quoad consilium quo crisis rationis instituitur, tum quoad fundamenta quibus haec crisis superstruitur, tum quoad terminum ad quem critica pervenit, ut falsum omnino et absurdum est reiiciendum.

MUSIC—Festival March*P. Piel*

INSTRUMENTAL QUINTET

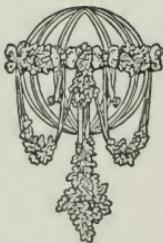
Violins: C. O'Rourke, V. Cogan, H. Schwing.

Flute: A. Testa.

Piano: E. Klocke, N. Schaefer.

Music under the direction of Rev. John J. Hacker, S. J.

The College also took part in the celebration by the Institutions of Higher Learning in Buffalo to commemorate the Hundred Years of Peace between Canada and the United States. This celebration was held on Wednesday, February 17, 1915, at 2:30 P. M., in the auditorium of the Hutchinson-Central High School. The institutions represented were the University of Buffalo, D'Youville College and Canisius College. Mr. George W. Wanamaker, '15, spoke on Conditions of Permanent Peace. Rev. Father Krim, Rector of the College, delivered an address.



Forty-fifth Annual Commencement

at Shea's Theatre, Buffalo

Sunday evening, June 20, 1915, at 8:15 o'clock

PROGRAM

The Rt. Rev. Msgr. Nelson H. Baker, D.D., *Administrator*,
Presiding

I.

Processional—Festival March *Mendelssohn*

Overture—Far West *Koppitz*

CLASS POEM:

EDMUND J. KIEFER.

BACHELOR'S ORATIONS:

The Sources of Agnosticism,
 IGNATIUS C. MARTINA.

Religion and Agnosticism,
 WALTER J. ABEL.

MASTER'S ORATION:

Religion and Civil Society,
 VICTOR B. WYLEGALA, A. B.

Selection—Glad Times *Friml*

II.

CONFERRING OF DEGREES:

REV. GEORGE J. KRIM, S. J., President of Canisius College.

VALEDICTORY:

GEORGE W. WANAMAKER.

AWARD OF HONORS:

Intermezzo—Salut d'Amour *Elgar*

ADDRESS TO GRADUATES:

MARTIN CONBOY, LL. M., Ph. D.

Exit March—Bannerweihe *Nowowieski*

Music by Canisius High School Orchestra,
 REV. ARTHUR S. HART, S. J., Director.

Degrees Conferred

BACHELOR OF ARTS

WALTER JOHN ABEL
CHARLES GEORGE BARTH
STEPHEN VINCENT COTTER
ERNEST JULIAN CULMANN
RAYMOND EDWARD DEE (*cum laude*)
DENIS C. HARRINGTON
MESCO JOSEPH HELMINIAK
LEO EDWARD HOEN (*cum laude*)
ARTHUR STUART HUEBSCHWERLEN
FRANCIS EDWARD KERWIN (*magna cum laude*)
EDMUND JOSEPH KIEFER (*magna cum laude*)
EDWARD JAMES LYONS
IGNATIUS CHARLES MARTINA (*cum laude*)
WILLIAM HARRY MEEGAN (*cum laude*)
BARTHOLOMEW ANTHONY NIGRO (*cum laude*)
FRANCIS PATRICK RYAN
MICHAEL THOMAS SULLIVAN
GEORGE WILLIAM WANAMAKER (*magna cum laude*)

MASTER OF ARTS

ERNEST PAUL KIONKE, A. B., '14

Thesis: The Organization and Administration of Public Education in the United States and Germany.

VICTOR JOSEPH KLESS, A. B., '11

Thesis: The Catholic Element in the Writings of Percy Bysshe Shelley.

JEROME ARTHUR SCHERER, A. B., '12

Thesis: The Catholic Parochial School System in the United States.

VICTOR BERNARD WYLEGALA, A. B., '13

Thesis: Crime: Its Nature, Cause and Remedy.

DOCTOR OF LAWS *honoris causa*

GEORGE A. LEWIS

Award of Honors

SENIOR

The Gold Medal for Philosophy
(Gift of Mrs. Mary A. Boland)
was awarded to

GEORGE W. WANAMAKER

JUNIOR

The Gold Medal for the Highest Class Standing
(Gift of an Alumnus, '86)
was awarded to

ANGELO F. TESTA

PREMIUM

THADDEUS R. WOZNIAK

DISTINGUISHED IN

Philosophy.....John H. Christman, Charles J. Biesinger, William J. Lutz.
Evidences of Religion.....John H. Christman, William J. Lutz, Edward V. Canavan, Laurence J. Hetzelt, John L. Lynch, Herbert P. Miller.
History.....Edward V. Canavan, John H. Christman, Henry E. Conlin, William J. Lutz.
Natural Sciences.....PREMIUM, William J. Lutz.
DISTINGUISHED, John H. Christman, Angelo F. Testa, Thaddeus R. Wozniak.

SOPHOMORE

The Gold Medal for the Highest Class Standing
(gift of Rev. Andrew F. Haberstroh, Kingston, Mass.)
was awarded to

DANTE J. MORGANA

PREMIUM

CHARLES S. DESMOND

DISTINGUISHED IN

<i>Religion</i>	Pascal J. Tronolone, Alexander Jankowski, Michael F. Biniszkiewicz, Louis G. Manzella, Harold F. Brown, Norbert B. Schaefer, Timothy J. Ring, John F. Manning, Stanley V. Sciarrino.
<i>English</i>	Harold F. Brown, Pascal J. Tronolone, Norbert B. Schaefer, Tim Schaefer, Louis G. Manzella.
<i>Latin</i>	Alexander Jankowski, Pascal J. Tronolone, Michael F. Biniszkiewicz, Harold F. Brown, Norbert B. Schaefer, Louis G. Manzella.
<i>Greek</i>	Alexander Jankowski, Pascal J. Tronolone, Michael F. Biniszkiewicz, Louis G. Manzella, Norbert B. Schaefer, Harold F. Brown.
<i>Natural Sciences</i>	PREMIUM, Dante J. Morgana. DISTINGUISHED, Louis G. Manzella, Stanley V. Sciarrino, Pascal J. Tronolone.

SOPHOMORE—Scientific Course

The Gold Medal for the Highest Class Standing
(Gift of Fletcher H. Burke, A. M.)
was awarded to

RICHARD V. CAVAGNARO

PREMIUM

JOHN C. MULLEN

Mathematics (Calculus) .. PREMIUM, Richard V. Cavagnaro.
DISTINGUISHED, John C. Mullen.

FRESHMAN—Arts—Section A

The Gold Medal for the Highest Class Standing
(Gift of Rev. Joseph A. Burke)
was awarded to

PAUL P. SCHIFFERLI

PREMIUM

JOHN P. SMITH

DISTINGUISHED IN

<i>Latin</i>	James H. Riley, John W. Kerrigan, William F. Sheehan, Ladislaus F. Dzimian, Michael J. Miller.
<i>Greek</i>	Ladislaus F. Dzimian, John W. Kerrigan, William F. Sheehan, Michael J. Miller.
<i>Evidences of Religion</i>	Donato G. Valente, Martin H. Ebner, William F. Sheehan, John J. Cotter, Eugene L. Klocke, James H. Riley, John W. Kerrigan.
<i>History</i>	Richard C. Wallace, John P. Smith, William F. Sheehan.
<i>English</i>	John J. Cotter, Michael J. Miller, Richard C. Wallace, John P. Smith.
<i>German</i>	PREMIUM, Paul P. Schifferli.
<i>French</i>	DISTINGUISHED, James H. Riley.
<i>Mathematics</i> (Trigonometry and Analytical Geometry).....	PREMIUM, Martin H. Ebner. DISTINGUISHED, Joseph A. Bach, Eugene L. Klocke, Michael J. Miller, Paul P. Schifferli, William F. Sheehan, John P. Smith.

FRESHMAN—Arts—Section B

The Gold Medal for the Highest Class Standing
(Gift of James E. Pilliod, Toledo, O.)
was awarded to

CYRIL P. EHRENREICH

PREMIUM

ERASMUS F. PAULY, MATTHEW A. CULLEN, *ex aequo*
DISTINGUISHED IN

<i>Latin</i>	Vincent J. Sokolowski, John E. Harris, Francis A. Gowney, Kevin Killeen.
<i>Greek</i>	Vincent J. Sokolowski, John E. Harris, Francis A. Gowney, Ladislaus J. Kreciszewski.

<i>History</i>	Anthony F. Bifarella, Matthew A. Cullen, Kevin Killeen, Michael P. Lutz.
<i>German</i>	PREMIUM, Michael P. Lutz. DISTINGUISHED, Joseph A. Bach, Cyril P. Ehrenreich, Erasmus F. Pauly.
<i>Mathematics</i> (Trigonometry and Analytical Geometry).....	PREMIUM, Kevin Killeen. DISTINGUISHED, Anthony F. Bifarella, Matthew A. Cullen, Cyril P. Ehrenreich, Erasmus Pauly.

FRESHMAN—Scientific Course

The Gold Medal for the Highest Class Standing (Gift of Francis E. Fronczak, A. M., M. D., President of the Canisius Alumni Association).

was awarded to

JOHN L. STAMP

PREMIUM

EUGENE L. KLOCKE

DISTINGUISHED IN

Chemistry and Mathematics.. John N. Schumacher, Matthew J. Hoenig, William F. Brown.

SPECIAL PRIZES

The Gold Medal for excellence in Debate, given by the Canisius Alumni Sodality, was awarded to Edmund J. Kiefer.

The Gold Medal for Oratory, given by Col. John L. Schwartz, was awarded to Walter J. Abel.

A Special Prize of twenty dollars in gold for the best essay on some literary or historical subject (gift of Mrs. Henry Vom Berge), was awarded to Walter J. Abel. Subject: Necessity and Possibility of a Catholic Daily.

A Special Prize of twenty dollars in gold for the best essay on some subject in Chemistry (given by Frank J. Boland, A. M.), was awarded to John C. Mullen. Subject: The Chemistry of the Reduction of Iron Ores to Metallic Iron.

CLASS OF 1915

ORGANIZATION

<i>President</i>	Walter J. Abel
<i>Vice-President</i>	Stephen V. Cotter
<i>Secretary</i>	George W. Wanamaker
<i>Treasurer</i>	Leo Hoen



Special Notice

Entrance Examinations and Examinations of Conditioned Students will be held at the College, Thursday, Friday and Saturday, September 2, 3 and 4, from 9 to 12 A. M.

Registration of new students from Monday, August 30.

The College classes will be resumed Tuesday, September 7.

It is important that all students should attend promptly on the opening day.

Late comers cannot compete for class honors.

INDEX

GENERAL INFORMATION:

Calendar	3
Incorporation	5
Faculty	6
History	7
System of Education.....	8
Outline of Studies.....	10
Sessions and Holidays.....	13
Admission	13
Examinations and Reports.....	14
Premiums and Distinctions.....	15
Scholarships	15
Discipline	16
Academic Costume	17
General Description of Equipment.....	18
Library	18
Equipment of Science Department.....	19
Chemistry	19
Physics	20
Biology	21
Geology	22
Astronomy	22
The Meteorological Observatory.....	23
The College Museum	23
The Seismological Observatory.....	24
Recreation and Athletics.....	24
Fees and Other Expenses.....	25
Arts Course, Requirements for Admission.....	26
Course of Studies.....	28
Weekly Summary	37
Schedule of Lectures and Recitations.....	38
General Science Course, Scope of Course.....	39
Requirements for Admission.....	39
Outline of Course.....	41
Weekly Summary	43
Pre-Medical Course for Special Students.....	44
Elective Courses	45
Degrees and Postgraduate Courses.....	49
Needs of the College.....	50
Acknowledgements	51

THE YEARLY RECORD:

Catalogue of Students arranged by Classes.....	55
Alphabetical List of Students.....	59
College Organizations	63
Public Academic Exercises.....	68
Forty-fifth Annual Commencement.....	73
Conferring of Degrees.....	74
Award of Honors.....	75



3 0112 105612888